

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 2837734 A4 20160113 (EN)**

Application  
**EP 13767408 A 20130219**

Priority  
• JP 2012076286 A 20120329  
• JP 2013053938 W 20130219

Abstract (en)  
[origin: EP2837734A1] There is provided an air conditioner that provides energy saving performance enhanced by the operation control carried out so that the number of rotations of a blower fan is changed so as to be suitable for the environmental conditions. The air conditioner includes a dehumidifying means for removing water contained in air; an air blowing means, consisting of a motor and a blower fan, that sucks air in a room and blows out dried air, which is obtained by causing sucked air to pass through the dehumidifying means, into an interior of a room; a humidity detecting means for detecting a humidity of indoor air; a temperature detecting means for detecting a temperature of indoor air; a surface temperature detecting means for detecting a surface temperature in a room within a predetermined range; and a controlling means for controlling an air blowing amount of the air blowing means and the temperature detecting means. The controlling means performs air blowing operation for operating the air blowing means for predetermined time, detects, from a surface temperature detected by the surface temperature detecting means and within the predetermined range, that objects to be dried such as wet clothing are arranged, and changes a number of rotations of the blower fan during operation of the air blowing means according to a detection result.

IPC 8 full level  
**D06F 58/00** (2020.01); **F24F 3/14** (2006.01); **F24F 11/00** (2006.01); **D06F 58/38** (2020.01)

CPC (source: CN EP US)  
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Citation (search report)  
• [X] JP 2011185536 A 20110922 - MITSUBISHI ELECTRIC CORP, et al  
• [X] WO 2011111515 A1 20110915 - MITSUBISHI ELECTRIC CORP [JP], et al & EP 2545980 A1 20130116 - MITSUBISHI ELECTRIC CORP [JP], et al  
• [A] US 5637040 A 19970610 - KIM TAE-HO [KR], et al  
• [A] JP 2010002068 A 20100107 - SHARP KK  
• See references of WO 2013145935A1

Cited by  
CN114353268A

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

DOCDB simple family (publication)  
**EP 2837734 A1 20150218**; **EP 2837734 A4 20160113**; CN 104204338 A 20141210; CN 104204338 B 20160921; HK 1200509 A1 20150807; JP 5839113 B2 20160106; JP WO2013145935 A1 20151210; TW 201407109 A 20140216; TW I567350 B 20170121; WO 2013145935 A1 20131003

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**EP 13767408 A 20130219**; CN 201380014910 A 20130219; HK 15100886 A 20150127; JP 2013053938 W 20130219; JP 2014507513 A 20130219; TW 102107793 A 20130306