

Title (en)  
MULTIPLE-TYPE AIR CONDITIONER

Title (de)  
MULTI-KLIMAANLAGE

Title (fr)  
CONDITIONNEUR D'AIR À TYPES MULTIPLES

Publication  
**EP 3336449 A4 20180627 (EN)**

Application  
**EP 16835066 A 20160804**

Priority  
• JP 2015072620 W 20150810  
• JP 2016072935 W 20160804

Abstract (en)  
[origin: EP3336449A1] A multiple-type air conditioner (100) is provided with a first indoor unit (110A) and a second indoor unit (110B). When the first indoor unit (110A) is stopped and the second indoor unit (110B) operates with a second indoor heat exchanger (111B) functioning as a condenser, the opening degree of a first indoor expansion valve (140A) is increased if the ratio of a difference between a temperature detected by a first heat exchanger intermediate temperature detector (112A) and a temperature detected by a first heat exchanger outlet temperature detector (113A) to a difference between the temperature detected by the first heat exchanger intermediate temperature detector (112A) and the air temperature is greater than a target value, and the opening degree of the first indoor expansion valve (140A) is reduced if the ratio is lower than the target value.

IPC 8 full level  
**F25B 1/00** (2006.01); **F25B 6/02** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP US)  
**F24F 11/89** (2017.12 - EP US); **F25B 1/00** (2013.01 - EP); **F25B 6/02** (2013.01 - EP); **F25B 13/00** (2013.01 - EP);  
**F25B 2313/0233** (2013.01 - EP); **F25B 2313/0253** (2013.01 - EP); **F25B 2313/0314** (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP);  
**F25B 2700/2104** (2013.01 - EP); **F25B 2700/21163** (2013.01 - EP)

Citation (search report)  
• [IA] EP 1555492 A2 20050720 - LG ELECTRONICS INC [KR]  
• [IA] JP H11201572 A 19990730 - MATSUSHITA REFRIGERATION  
• [IA] JP 2008196775 A 20080828 - SHARP KK  
• [IA] JP H07158989 A 19950620 - DAIKIN IND LTD  
• [I] JP H11173628 A 19990702 - MITSUBISHI HEAVY IND LTD  
• See references of WO 2017026369A1

Cited by  
CN110986461A; CN108613336A

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)  
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**EP 16835066 A 20160804**; JP 2015072620 W 20150810; JP 2016072935 W 20160804; JP 2017534397 A 20160804