

Title (en)  
Air conditioner

Title (de)  
Klimaanlage

Title (fr)  
Conditionneur d'air

Publication  
**EP 1655555 A2 20060510 (EN)**

Application  
**EP 05256788 A 20051102**

Priority  
KR 20040088948 A 20041103

Abstract (en)  
An air conditioner includes: at least one indoor unit (10); an outdoor unit (20) communicating with the indoor unit and having at least one compressor (23) and one outdoor heat exchanger (41,41'); a fluid path opening/closing valve (55) for opening or closing a fluid path through which a refrigerant can flow to the outdoor heat exchanger; and a control unit (51) for controlling the compressor and the fluid path opening/closing valve to perform appropriate compression and condensation of the refrigerant according to the load amount of the indoor unit. Accordingly, as the air conditioner comprises the fluid path opening/closing valve and the branch fluid path opening/closing valve which are capable of opening or closing fluid paths and a control unit for controlling the valves, a high pressure of a cycle is appropriately maintained even during small-load operation and therefore reliability in operation can be increased.

IPC 8 full level  
**F25B 13/00** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP KR US)  
**F24F 11/89** (2017.12 - KR); **F25B 13/00** (2013.01 - EP US); **F25B 41/20** (2021.01 - KR); **F25B 49/027** (2013.01 - EP US); **F25B 2313/0231** (2013.01 - EP US); **F25B 2313/0252** (2013.01 - EP US); **F25B 2313/02531** (2013.01 - EP US); **F25B 2313/02533** (2013.01 - EP US); **F25B 2400/075** (2013.01 - EP US)

Cited by  
EP2047183A4; US2013105118A1; US9416993B2; EP2622284A4; US8091377B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1655555 A2 20060510**; **EP 1655555 A3 20110824**; CN 1769804 A 20060510; KR 100619756 B1 20060906; KR 20060039739 A 20060509; US 2006090487 A1 20060504

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**EP 05256788 A 20051102**; CN 200510120075 A 20051103; KR 20040088948 A 20041103; US 26289505 A 20051101