

Title (en)  
Air conditioner and control method thereof

Title (de)  
Klimaanlage und zugehöriges Steuerverfahren

Title (fr)  
Climatiseur et son procédé de fonctionnement

Publication  
**EP 2733440 B1 20230201 (EN)**

Application  
**EP 13181163 A 20130821**

Priority  
KR 20120130644 A 20121119

Abstract (en)  
[origin: EP2733440A1] Provided are an air conditioner and a control method thereof. The air conditioner includes a main body defining an outer appearance, an indoor heat exchanger disposed within the main body, a plurality of branch tubes guiding a refrigerant introduced into the indoor heat exchanger, a circulation tube connected to the plurality of branch tubes to guide the refrigerant, a bypass tube connecting a portion of the plurality of branch tubes to the circulation tube, and a branch tube valve disposed in the portion of the plurality of branch tubes to adjust a flow of the refrigerant flowing into the portion of the plurality of branch tubes. The portion of the plurality of branch tubes has a diameter less than that of each of the remaining branch tubes. In a cooling mode, the refrigerant is introduced from the circulation tube into the indoor heat exchanger through the portion of the plurality of branch tubes. In a heating mode, the refrigerant is discharged from the indoor heat exchanger into the circulation tube through the bypass tube.

IPC 8 full level  
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CPC (source: EP KR US)  
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