

Title (en)

Air conditioner and control method thereof

Title (de)

Klimaanlage und Steuerverfahren dafür

Title (fr)

Climatiseur et son procédé de fonctionnement

Publication

EP 2728280 B1 20180425 (EN)

Application

EP 13181511 A 20130823

Priority

KR 20120123488 A 20121102

Abstract (en)

[origin: EP2728280A1] Provided are an air conditioner and a control method thereof. The air conditioner includes a compressor compressing an inflow refrigerant to discharge the compressed refrigerant, an outdoor heat exchanger in which outdoor air introduced into an outdoor unit and the refrigerant are heat-exchanged with each other, an indoor heat exchanger in which indoor air introduced into an indoor unit and the refrigerant are heat-exchanged with each other, valves respectively disposed in an inflow-side tube and a discharge-side tube of the indoor heat exchanger, and a refrigerant leakage detection part directly or indirectly detecting leakage of the refrigerant. When the leakage of the refrigerant is detected, the valves are blocked in stages.

IPC 8 full level

F25B 13/00 (2006.01); **F25B 41/04** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP KR US)

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F25B 41/20 (2021.01 - KR); **F25B 41/24** (2021.01 - EP US); **F25B 49/005** (2013.01 - EP KR US); **F25B 2313/006** (2013.01 - EP KR US);
F25B 2313/023 (2013.01 - EP US); **F25B 2313/0233** (2013.01 - EP KR US); **F25B 2313/02741** (2013.01 - EP KR US);
F25B 2500/222 (2013.01 - EP KR US); **F25B 2600/2513** (2013.01 - KR)

Cited by

CN104807251A; JP2020109342A; EP3889515A4; EP3460360A4; CN104833053A; EP3418655A4; EP3358278A4; US11371735B2;
WO2017179117A1; EP3598015B1

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