

Title (en)

AIR CONDITIONER AND CONTROL METHOD THEREOF

Title (de)

KLIMAANLAGE UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

APPAREIL DE CONDITIONNEMENT D'AIR ET PROCÉDÉ DE COMMANDE DE CELUI-CI

Publication

EP 3374704 A1 20180919 (EN)

Application

EP 16890766 A 20161208

Priority

- JP 2016029767 A 20160219
- KR 20160069716 A 20160603
- KR 2016014355 W 20161208

Abstract (en)

[origin: JP2017146061A] PROBLEM TO BE SOLVED: To secure differential pressure of a compressor effortlessly during air-cooling operation at low-ambient temperature. SOLUTION: The air conditioner includes: a discharge-side pipe Lc for discharging refrigerant from the compressor 23; a throttle part 30 provided in the discharge-side pipe Lc; and a return flow passage 205 of which one end is connected to the discharge-side pipe Lc upstream from the throttle part 30 and the other end is connected to a suction side of the compressor 23 to return the refrigerant discharged from the compressor 23 to the compressor 23. SELECTED DRAWING: Figure 1

IPC 8 full level

F24F 1/28 (2011.01); **F24F 5/00** (2006.01); **F25B 30/02** (2006.01); **F25B 41/00** (2006.01); **F25B 41/04** (2006.01); **F25B 41/06** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP KR US)

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Designated extension state (EPC)

BA ME

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CN 108474595 A 20180831; CN 108474595 B 20210709; EP 3374704 A1 20180919; EP 3374704 A4 20190109; JP 2017146061 A 20170824; KR 102461708 B1 20221102; KR 20170098138 A 20170829

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