

Title (en)

CONTROL DEVICE OF AIR CONDITIONER, METHOD OF CONTROLLING AIR CONDITIONER, AIR CONDITIONER, AND CONTROL PROGRAM

Title (de)

STEUERUNGSVORRICHTUNG EINER KLIMAANLAGE, VERFAHREN ZUR STEUERUNG EINER KLIMAANLAGE, KLIMAANLAGE UND STEUERUNGSPROGRAMM

Title (fr)

DISPOSITIF DE COMMANDE DE CLIMATISEUR, PROCÉDÉ DE COMMANDE DE CLIMATISEUR, CLIMATISEUR ET PROGRAMME DE COMMANDE

Publication

EP 3505850 A1 20190703 (EN)

Application

EP 18211427 A 20181210

Priority

JP 2017253221 A 20171228

Abstract (en)

A control device of an air conditioner configured to control with a high user's comfort without decreasing an interior temperature is provided. The control device of the air conditioner includes an outdoor air temperature acquiring unit (41) configured to acquire an outside air temperature of an outdoor unit (1A), an outside heat exchange temperature acquiring unit (42) configured to acquire an outside heat exchange temperature of the outdoor unit (1A), and an operation execution unit (43) configured to perform a plurality of operation modes. The operation execution unit (43) is able to perform a positive cycle defrost operation mode and a reverse cycle defrost operation mode. Moreover, the operation execution unit (43) performs the other defrost operation mode when an entry condition of the other defrost operation mode is satisfied within a prohibition time of one defrost operation mode of the positive cycle defrost operation mode and the reverse cycle defrost operation mode.

IPC 8 full level

F25B 47/02 (2006.01); **F24F 11/42** (2018.01); **F25B 49/02** (2006.01)

CPC (source: EP)

F24F 11/42 (2017.12); **F25B 47/022** (2013.01); **F25B 47/025** (2013.01); **F25B 49/02** (2013.01); **F24F 11/65** (2017.12); **F24F 2110/12** (2017.12); **F25B 13/00** (2013.01); **F25B 2313/0292** (2013.01); **F25B 2313/0315** (2013.01); **F25B 2600/23** (2013.01); **F25B 2600/2501** (2013.01); **F25B 2600/2507** (2013.01); **F25B 2700/2106** (2013.01)

Citation (applicant)

- JP 2017253221 A 20171228
- JP 2001133088 A 20010518 - SHARP KK

Citation (search report)

- [IA] US 6012294 A 20000111 - UTSUMI TAKASHI [JP]
- [A] EP 3246635 A1 20171122 - MITSUBISHI ELECTRIC CORP [JP]
- [A] JP H0579732 A 19930330 - DAIKIN IND LTD

Cited by

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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)

EP 3505850 A1 20190703; AU 2018274982 A1 20190718; AU 2018274982 B2 20200723; JP 2019120417 A 20190722; JP 6980520 B2 20211215

DOCDB simple family (application)

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