

Title (en)

Air conditioner, control method thereof and dehumidifying method thereof

Title (de)

Klimaanlage, Steuerverfahren und Entfeuchtungsverfahren dafür

Title (fr)

Climatiseur d'air, son procédé de commande et son procédé de déshumidification

Publication

EP 2354692 A3 20121226 (EN)

Application

EP 10196042 A 20101220

Priority

KR 20100000236 A 20100104

Abstract (en)

[origin: US2011162394A1] An air conditioner includes an air-conditioning unit to exchange heat between air in an interior space and an exterior space using an exchange medium flowing through the air-conditioning unit and/or to dehumidify the interior space. A control unit controls the air-conditioning unit to dehumidify the interior space using a plurality of dehumidifying temperatures and a plurality of dehumidifying time, where at least one dehumidifying time is preset for a corresponding dehumidifying temperature and when the preset dehumidifying time has expired the corresponding dehumidifying temperature is changed to a next dehumidifying temperature.

IPC 8 full level

F24F 11/00 (2006.01)

CPC (source: EP KR US)

F24F 3/14 (2013.01 - KR); **F24F 11/0008** (2013.01 - EP US); **F24F 11/30** (2017.12 - EP US); **F24F 11/46** (2017.12 - EP KR US); **F24F 11/64** (2017.12 - EP KR US); **F24F 11/80** (2017.12 - EP KR US); **F24F 2003/144** (2013.01 - KR); **F24F 2110/10** (2017.12 - EP KR US); **F24F 2110/12** (2017.12 - KR)

Citation (search report)

- [A] JP 2002147822 A 20020522 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2006026976 A1 20060209 - CARPENTER FRANK K [US]
- [A] JP H0942706 A 19970214 - HITACHI LTD

Cited by

CN105091220A; CN105066346A; CN105091223A; CN105091222A; CN105066348A

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)

US 2011162394 A1 20110707; EP 2354692 A2 20110810; EP 2354692 A3 20121226; EP 2354692 B1 20140430; ES 2463096 T3 20140527; KR 20110080072 A 20110712

DOCDB simple family (application)

US 88278210 A 20100915; EP 10196042 A 20101220; ES 10196042 T 20101220; KR 20100000236 A 20100104