

Title (en)
HUMIDITY CONTROL DEVICE

Title (de)
FEUCHTIGKEITSREGELVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMANDE DE L'HUMIDITÉ

Publication
EP 2224182 B1 20170823 (EN)

Application
EP 08845622 A 20081031

Priority
• JP 2008003140 W 20081031
• JP 2007282549 A 20071031

Abstract (en)
[origin: EP2224182A1] During a simple ventilation operation, in an outdoor-air conditioner (10) which is a humidity control apparatus, a first bypass damper (83) is opened to supply outdoor air to a room in unchanged form. When the outdoor temperature exceeds 35°C during the simple ventilation operation, an operation of the outdoor-air conditioner (10) is forcibly switched to a dehumidification/ventilation operation, and then outdoor air passing through an adsorption heat exchanger (51, 52) operating as an evaporator is supplied to the room. When the outdoor temperature falls below 5°C during the simple ventilation operation, the operation of the outdoor-air conditioner (10) is forcibly switched to a humidification/ventilation operation, and then outdoor air passing through the adsorption heat exchanger (51, 52) operating as a condenser is supplied to the room. That is, when the operation of the outdoor-air conditioner (10) is switched from the simple ventilation operation to the dehumidification/ventilation operation or the humidification/ventilation operation, a difference between the temperature of air to be supplied to the room and the room temperature is reduced as compared to that during the simple ventilation operation.

IPC 8 full level
F24F 11/02 (2006.01); **F24F 3/14** (2006.01); **F24F 7/08** (2006.01); **F24F 11/00** (2006.01)

CPC (source: EP KR US)
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Cited by
CN113108386A; EP2693132A4; EP3165847A4; EP3453981A4; US10203122B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2224182 A1 20100901; **EP 2224182 A4 20140723**; **EP 2224182 B1 20170823**; AU 2008320209 A1 20090507; AU 2008320209 B2 20120202; CN 101842641 A 20100922; ES 2640891 T3 20171107; JP 2009109088 A 20090521; KR 101186409 B1 20120927; KR 20100087193 A 20100803; US 2010243749 A1 20100930; WO 2009057320 A1 20090507

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