Title (en)

VENTILATION DEVICE

Title (de)

VENTILATIONSVORRICHTUNG

Title (fr)

DISPOSITIF DE VENTILATION

Publication

EP 3165845 A4 20180404 (EN)

Application

EP 14896497 A 20140704

Priority

JP 2014067934 W 20140704

Abstract (en)

[origin: EP3165845A1] A ventilation device (23) includes a temperature regulating coil (5) that is capable of changing the cooling capacity at multiple stages, and that cools a supplied-air flow after having undergone total heat exchange by a total heat exchanger (4), a target indoor-humidity storage unit (13) that stores therein a target indoor humidity that is a target value of the indoor-air humidity, and a control unit (14) that decides the cooling capacity of the temperature regulating coil (5), such that the humidity of the supplied-air flow becomes the target indoor humidity, based on measurement values of an outside-air temperature sensor (11) and an outside-air humidity sensor (12) when the target indoor humidity is lower than an actual measurement value of the indoor-air humidity measured by an indoor humidity sensor (18).

IPC 8 full level

F24F 7/08 (2006.01); **F24F 12/00** (2006.01)

CPC (source: EP US)

F24F 7/08 (2013.01 - EP US); **F24F 11/30** (2017.12 - EP US); **F24F 11/81** (2017.12 - EP US); **F24F 11/83** (2017.12 - EP US); **F24F 11/89** (2017.12 - EP US); **F24F 12/006** (2013.01 - US); F24F 2012/007 (2013.01 - US); F24F 2110/12 (2017.12 - EP US); F24F 2110/20 (2017.12 - EP US); F24F 2110/22 (2017.12 - EP US)

Citation (search report)

- [A] US 2013048267 A1 20130228 - KORETOMO MASAYUKI [JP], et al
- [A] US 2014138076 A1 20140522 - HEBERER DWIGHT H [US], et al
- [A] US 2014048244 A1 20140220 - WALLACE ALBERT REID [US]
- [A] JP 2013204899 A 20131007 - MITSUBISHI ELECTRIC CORP
- See references of WO 2016002073A1

Cited by

US11662116B2

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

DOCDB simple family (publication)

EP 3165845 A1 20170510; **EP 3165845 A4 20180404**; **EP 3165845 B1 20181121**; CN 106489055 A 20170308; CN 106489055 B 20190618; JP 6234575 B2 20171122; JP WO2016002073 A1 20170427; US 2017159964 A1 20170608; WO 2016002073 A1 20160107

DOCDB simple family (application)

EP 14896497 A 20140704; CN 201480080091 A 20140704; JP 2014067934 W 20140704; JP 2016530787 A 20140704; US 201415320801 A 20140704