

Title (en)

Air conditioning unit

Title (de)

Klimaanlageneinheit

Title (fr)

Unité de climatisation d'air

Publication

EP 2163830 A3 20101110 (EN)

Application

EP 09161964 A 20090604

Priority

JP 2008233608 A 20080911

Abstract (en)

[origin: EP2163830A2] An air conditioning unit includes a unit case having a suction inlet port and a suction outlet port for circulating air. The unit case includes an evaporator, a condenser, and a compressor. The evaporator and the condenser are disposed somewhere along an air passage leading from the suction inlet port to the suction outlet port so as to dehumidifying and drying the circulating air. The compressor circulates refrigerant through the evaporator and the condenser. The unit case is formed of a plurality of divided portions, which continuously sandwich a sealing member between scored lines formed on the external surface of the unit case so as to ensure the airtightness of the unit case. The unit case includes a water reservoir having a drain mechanism on the outer wall thereof. The drain mechanism discharges stagnant water when opened by the stagnant water and prevents the sucking of outside air.

IPC 8 full level

D06F 25/00 (2006.01); **D06F 39/08** (2006.01); **D06F 58/02** (2006.01); **D06F 58/20** (2006.01); **F24F 3/14** (2006.01); **F24F 3/153** (2006.01); **F24F 13/22** (2006.01)

CPC (source: EP US)

F24F 1/027 (2013.01 - EP US); **F24F 3/14** (2013.01 - EP); **F24F 3/153** (2013.01 - EP); **F24F 13/222** (2013.01 - EP)

Citation (search report)

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- [XDA] JP 2008079861 A 20080410 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2005198851 A1 20050915 - TOMOCHIKA KAZUYOSHI [JP], et al
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EP2735639A3; US9803312B2; WO2012108905A1; US8261568B2

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2163830 A2 20100317; **EP 2163830 A3 20101110**; **EP 2163830 B1 20140806**; CN 101671943 A 20100317; CN 101671943 B 20120104; CN 201381450 Y 20100113; JP 2010063687 A 20100325; JP 4625120 B2 20110202; RU 2411318 C1 20110210; TW 201011230 A 20100316; TW I365962 B 20120611

DOCDB simple family (application)

EP 09161964 A 20090604; CN 200910135377 A 20090424; CN 200920148989 U 20090424; JP 2008233608 A 20080911; RU 2009129449 A 20090730; TW 98109907 A 20090326