

Title (en)
OUTDOOR UNIT FOR REFRIGERATION DEVICE

Title (de)
AUSSENEINHEIT FÜR EINE KÜHLVORRICHTUNG

Title (fr)
UNITÉ EXTÉRIEURE POUR DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 2813770 A1 20141217 (EN)

Application
EP 13746777 A 20130124

Priority
• JP 2012022708 A 20120206
• JP 2013051394 W 20130124

Abstract (en)
An outdoor unit (20) of an air-conditioning apparatus (1) according to the present embodiment comprises a heat exchanger (25), a floor frame (8), and a cap (14). The heat exchanger (25) is made of aluminum or aluminum alloy. The heat exchanger (25) has a plurality of flat pipes (2) arranged in rows so as to face a side face, a header manifold (6) to which each of the flat pipes (2) is connected, and a plurality of fins (4) joined to the flat pipes (2). In the heat exchanger (25), exchange of heat occurs between a fluid flowing inside the flat pipes (2) and air flowing outside the flat pipes (2). The heat exchanger (25) is mounted on the floor frame (8). The cap (14) covers a lower end part (6a) of the header manifold (6) from below. The cap (14) has a drainage opening (17) through which water that has entered via a gap between the header manifold (6) and the cap (14) drains out.

IPC 8 full level
F28D 21/00 (2006.01); **F24F 1/14** (2011.01); **F24F 1/36** (2011.01); **F28D 1/053** (2006.01); **F28F 9/02** (2006.01); **F28F 17/00** (2006.01)

CPC (source: EP US)
F24F 1/14 (2013.01 - EP US); **F24F 1/36** (2013.01 - EP US); **F28D 1/05366** (2013.01 - EP US); **F28D 7/00** (2013.01 - US); **F28F 1/12** (2013.01 - US); **F28F 9/00** (2013.01 - US); **F28F 9/0202** (2013.01 - EP US); **F28F 17/005** (2013.01 - EP US); **F28F 21/084** (2013.01 - US); **F28D 2021/007** (2013.01 - EP US); **F28F 2265/06** (2013.01 - EP US)

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 2813770 A1 20141217; **EP 2813770 A4 20150107**; **EP 2813770 B1 20161207**; AU 2013218945 A1 20140918; AU 2013218945 B2 20151126; CN 104081129 A 20141001; CN 104081129 B 20170531; JP 2013160444 A 20130819; JP 6024111 B2 20161109; KR 101656163 B1 20160908; KR 20140131349 A 20141112; US 2014374062 A1 20141225; WO 2013118583 A1 20130815

DOCDB simple family (application)
EP 13746777 A 20130124; AU 2013218945 A 20130124; CN 201380007067 A 20130124; JP 2012022708 A 20120206; JP 2013051394 W 20130124; KR 20147024748 A 20130124; US 201314376109 A 20130124