

Title (en)
Outdoor unit for air-conditioning device

Title (de)
Außeneinheit und Klimaanlagevorrichtung

Title (fr)
Unité extérieure pour dispositif de climatisation

Publication
EP 2871427 A1 20150513 (EN)

Application
EP 14190909 A 20141029

Priority
JP 2013231388 A 20131107

Abstract (en)
[Object] It is an object to provide an outdoor unit for an air-conditioning device that prevents water vapor adhered on a bell mouth from freezing.
[Solution] An outdoor unit includes a housing 50 having a front and side panel 50a in which an opening 50a1 is formed, a fan 22 disposed in an air-sending device chamber 20 formed inside the housing 50, an outdoor heat exchanger 21 disposed in the air-sending device chamber 20, a bell mouth 27 which is disposed in the air-sending device chamber 20 and extends backwards from the periphery of the opening 50a1, and a heater 30 which is disposed in the air-sending device chamber 20 in which the bell mouth 27 is disposed, and extends in the up and down direction.

IPC 8 full level
F24F 1/06 (2011.01); **F24F 1/26** (2011.01); **F24F 11/00** (2006.01)

CPC (source: CN EP US)
F24F 1/06 (2013.01 - CN EP US); **F24F 1/26** (2013.01 - CN EP US); **F24F 1/36** (2013.01 - US); **F24F 1/46** (2013.01 - US);
F24F 11/42 (2017.12 - CN EP US); **F24F 2221/34** (2013.01 - CN EP US)

Citation (applicant)
JP 2011052941 A 20110317 - MITSUBISHI HEAVY IND LTD

Citation (search report)
• [X] WO 2013051166 A1 20130411 - MITSUBISHI ELECTRIC CORP [JP], et al & EP 2765385 A1 20140813 - MITSUBISHI ELECTRIC CORP [JP]
• [XD] JP 2011052941 A 20110317 - MITSUBISHI HEAVY IND LTD
• [X] KR 100795605 B1 20080121 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X] JP 2008096018 A 20080424 - DAIKIN IND LTD
• [A] WO 2013088713 A1 20130620 - DAIKIN IND LTD [JP]

Cited by
EP3348919A4; WO2020204842A1

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 2871427 A1 20150513; **EP 2871427 B1 20191218**; CN 104633806 A 20150520; CN 104633806 B 20171229; CN 204421234 U 20150624;
JP 2015090260 A 20150511; JP 5984782 B2 20160906; RU 2014145037 A 20160527; RU 2596969 C2 20160910; US 2015121934 A1 20150507

DOCDB simple family (application)
EP 14190909 A 20141029; CN 201410609738 A 20141103; CN 201420650374 U 20141103; JP 2013231388 A 20131107;
RU 2014145037 A 20141106; US 201414513245 A 20141014