

Title (en)
OUTDOOR UNIT FOR AIR CONDITIONER

Title (de)
AUSSENEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITÉ D'EXTÉRIEUR POUR CLIMATISEUR

Publication
EP 3587941 A4 20200304 (EN)

Application
EP 17897333 A 20170223

Priority
JP 2017006908 W 20170223

Abstract (en)
[origin: EP3587941A1] An outdoor unit for an air-conditioning apparatus, which requires no space above, which simplifies an attaching operation, which reduces noise, and which has high reliability, is provided. In an outdoor unit for an air-conditioning apparatus, an upper end of an upper anchoring portion of a fan guard is bent toward a casing and then formed upward, a lower end of a lower anchoring portion is bent toward the casing, a lower anchoring distal end portion that is a distal end-side portion of the lower anchoring portion is bent such that a distal end is oriented downward, a front panel includes an upper temporary fixing groove in which the upper anchoring portion is inserted and that restricts movement of the upper anchoring portion in a right and left direction and a lower temporary fixing hole in which the lower anchoring portion is inserted and that restricts movement of the lower anchoring portion in a forward direction and in a downward direction, and the upper temporary fixing groove and the upper anchoring portion are covered with a top panel.

IPC 8 full level
F24F 1/56 (2011.01); **F24F 13/20** (2006.01)

CPC (source: EP US)
F24F 1/56 (2013.01 - EP US); **F24F 13/08** (2013.01 - US); **F24F 13/082** (2013.01 - US); **F24F 13/084** (2013.01 - US); **F24F 13/20** (2013.01 - US); **F24F 2013/205** (2013.01 - EP)

Citation (search report)

- [Y] JP 2014129920 A 20140710 - PANASONIC CORP
- [YD] JP 2000039186 A 20000208 - MITSUBISHI HEAVY IND LTD
- [A] US 5575622 A 19961119 - ZIMMERMAN LEON S [US], et al
- [A] WO 2014056467 A1 20140417 - STADTMÜLLER UWE [DE]
- See references of WO 2018154686A1

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 3587941 A1 20200101; **EP 3587941 A4 20200304**; **EP 3587941 B1 20221228**; CN 110291333 A 20190927; JP 6808013 B2 20210106; JP WO2018154686 A1 20191107; US 2019368753 A1 20191205; WO 2018154686 A1 20180830

DOCDB simple family (application)
EP 17897333 A 20170223; CN 201780079594 A 20170223; JP 2017006908 W 20170223; JP 2019500930 A 20170223; US 201716466664 A 20170223