

Title (en)  
OUTDOOR UNIT FOR AIR CONDITIONER AND AIR CONDITIONER

Title (de)  
AUSSENEINHEIT EINER KLIMAAANLAGE SOWIE KLIMAAANLAGE

Title (fr)  
UNITÉ EXTÉRIEURE DE CLIMATISEUR D'AIR ET CLIMATISEUR D'AIR

Publication  
**EP 3182022 A1 20170621 (EN)**

Application  
**EP 16202116 A 20161205**

Priority

- JP 2015242808 A 20151214
- JP 2016142665 A 20160720

Abstract (en)  
An air conditioner (100) includes an outdoor unit (101) in which a rotating shaft (330) of a compressor (102) and a rotating shaft (330) of a motor (303) are located below a rotating shaft (340) of a gas engine (301). The air conditioner (100) prevents waste heat of the gas engine (301) from being transmitted directly to the motor (303) via the rotating shafts (330). In addition, the air conditioner (100) is such that, in an air passage in a machine room (150), the compressor (102) and the motor (303) are installed closer to an upwind side than the gas engine (301) is, so that the effects of exhaust heat of the gas engine (301) are suppressed, and, thus, cooling of the motor (303) is accelerated.

IPC 8 full level  
**F24F 1/10** (2011.01); **F24F 1/44** (2011.01); **F24F 1/46** (2011.01); **F24F 1/56** (2011.01)

CPC (source: EP)  
**F24F 1/10** (2013.01); **F24F 1/44** (2013.01); **F24F 1/46** (2013.01); **F24F 1/56** (2013.01)

Citation (applicant)  
JP 2002228295 A 20020814 - MITSUBISHI HEAVY IND LTD

Citation (search report)

- [YA] EP 2908061 A1 20150819 - PANASONIC IP MAN CO LTD [JP]
- [Y] CN 1690592 A 20051102 - AISIN SEIK [JP]
- [Y] JP 2001272134 A 20011005 - YANMAR DIESEL ENGINE CO

Cited by  
CN110030633A; CN110030631A

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 3182022 A1 20170621; EP 3182022 B1 20190821**

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