

Title (en)

METHOD FOR MOUNTING AIR CONDITIONER AIR OUTLET STRUCTURE AND AIR CONDITIONER AIR OUTLET INSTALLATION STRUCTURE

Title (de)

VERFAHREN ZUR MONTAGE EINER LUFTAUSLASSSTRUKTUR EINER KLIMAAANLAGE UND INSTALLATIONSSTRUKTUR FÜR LUFTAUSLASS EINER KLIMAAANLAGE

Title (fr)

PROCÉDÉ DE MONTAGE DE STRUCTURE DE SORTIE D'AIR DE CLIMATISEUR ET STRUCTURE D'INSTALLATION DE SORTIE D'AIR DE CLIMATISEUR

Publication

EP 3640559 A4 20201104 (EN)

Application

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Abstract (en)

[origin: EP3640559A1] The present disclosure discloses a method for mounting an air outlet structure of an air conditioner, comprises the steps of: determining whether the supporting strength of a mounting base satisfies the ceiling requirements of the air outlet structure of the air conditioner; mounting a lateral surface of the air outlet structure of the air conditioner on the mounting base and mounting the air outlet structure of the air conditioner on an indoor unit of the air conditioner if the requirements are satisfied, wherein the mounting base provides a main supporting and the indoor unit provides an auxiliary supporting; mounting the air outlet structure of the air conditioner on the indoor unit and mounting a lateral surface of the air outlet structure of the air conditioner on the mounting base if the requirements are not satisfied, wherein the mounting base provides an auxiliary supporting and the indoor unit provides a main supporting. An air outlet structure of the air conditioner is also provided. The method for mounting the air outlet structure of the air conditioner as well as the mounting structure have a favorable versatility in installation, simplify the installation process of the air outlet structure, and reduce the complexity of the installation.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

- [XAI] JP 2007327703 A 20071220 - DAIKIN IND LTD
- [XI] WO 2015192525 A1 20151223 - GREE ELECTRIC APPLIANCES INC [CN]
- [A] WO 9924761 A2 19990520 - NERLING GMBH SYSTEMRAEUME [DE], et al
- [A] DE 1604111 A1 19700430 - AIR DEVICES INC
- [A] CN 106123263 A 20161116 - GREE ELECTRIC APPLIANCES INC ZHUHAI
- See also references of WO 2019119873A1

Designated contracting state (EPC)

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