

Title (en)
AIR CONDITIONER INDOOR UNIT

Title (de)
KLIMAANLAGENINNENRAUMEINHEIT

Title (fr)
UNITÉ INTÉRIEURE DE CLIMATISEUR

Publication
EP 3690341 A4 20201118 (EN)

Application
EP 18863185 A 20180921

Priority
• JP 2017186779 A 20170927
• JP 2018035160 W 20180921

Abstract (en)
[origin: EP3690341A1] It is an object of the invention to provide an air conditioning indoor unit configured to have an airflow direction adjusting range wider than a conventional range, of blow-out air by an airflow direction adjusting blade even when the blow-out air has a low temperature. An air conditioning indoor unit (1) has a through hole (43) allowing part of blow-out air to pass in a thickness direction of a second airflow direction adjusting blade (40). Air passing the through hole (43) accordingly flows toward a downstream end of a convex surface (40a) during cooling operation to attract the blow-out air flowing along the convex surface (40a) from an upstream end and prevent separation of the blow-out air from the convex surface (40a). This prevents entry of the warm air for inhibition of dew condensation.

IPC 8 full level
F24F 13/14 (2006.01); **F24F 13/20** (2006.01); **F24F 13/22** (2006.01); **F24F 1/0057** (2019.01)

CPC (source: EP)
F24F 13/14 (2013.01); **F24F 13/22** (2013.01); **F24F 1/0057** (2019.01); **F24F 2013/221** (2013.01)

Citation (search report)
• [X] CN 204786798 U 20151118 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD, et al
• [X] CN 105444387 A 20160330 - WUHAN REFRIGERATION EQUIPMENT CO LTD OF MIDEA GROUP
• [X] WO 2017024637 A1 20170216 - GUANGDONG MIDEA REFRIGERATION APPLIANCES CO #LTD [CN], et al
• [X] CN 206018823 U 20170315 - GREE ELECTRIC APPLIANCES INC ZHUHAI
• [X] WO 2017024636 A1 20170216 - GUANGDONG MIDEA REFRIGERATION APPLIANCES CO LTD [CN], et al
• [X] CN 104676758 A 20150603 - GUANGDONG MEDIA REFRIGERATION EQUIPMENT CO LTD, et al
• [X] CN 204555022 U 20150812 - GUANGDONG MEDIA REFRIGERATION EQUIPMENT CO LTD, et al
• See references of WO 2019065530A1

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 3690341 A1 20200805; EP 3690341 A4 20201118; EP 3690341 B1 20220810; AU 2018343291 A1 20200326; AU 2021206776 A1 20210812; AU 2021206776 B2 20221208; CN 111051788 A 20200421; CN 111051788 B 20210105; ES 2926176 T3 20221024; JP 2019060564 A 20190418; JP 6515968 B2 20190522; WO 2019065530 A1 20190404

DOCDB simple family (application)
EP 18863185 A 20180921; AU 2018343291 A 20180921; AU 2021206776 A 20210719; CN 201880056775 A 20180921; ES 18863185 T 20180921; JP 2017186779 A 20170927; JP 2018035160 W 20180921