

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 3739268 A4 20210317 (EN)

Application
EP 18901027 A 20181109

Priority
• JP 2018007218 A 20180119
• JP 2018041713 W 20181109

Abstract (en)
[origin: EP3739268A1] To reduce blowing noise generated by blowing wind colliding against fins without significantly increasing a ventilation resistance. Provided is an air conditioner including: an indoor heat exchanger 18 that is disposed so as to surround an outer periphery of a turbofan 17; and a plurality of rectifying plates 32 that is attached to the indoor heat exchanger 18 on an inner peripheral side, in which the indoor heat exchanger 18 has a plurality of planar portions that is disposed along a plane that perpendicularly intersects a radial direction at a closest position P1 to the turbofan 17 and a plurality of curved portions that couples these planar portions, a first rectifying plate 32A is attached to the first planar portion 18A at a first predetermined position on an upstream side in a rotational direction Rd of the turbofan 17 beyond the closest position P1 while a second rectifying plate 32B is attached thereto at a second predetermined position on a downstream side in the rotational direction Rd of the turbofan 17 beyond the closest position P1, and the first rectifying plate 32A and the second rectifying plate 32B are disposed to be adjacent to each other.

IPC 8 full level
F24F 1/00 (2019.01); **F24F 1/0022** (2019.01); **F24F 1/0047** (2019.01); **F24F 1/0067** (2019.01); **F24F 13/08** (2006.01); **F24F 13/20** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)
F24F 1/0022 (2013.01); **F24F 1/0047** (2019.02); **F24F 1/0059** (2013.01); **F24F 1/0067** (2019.02); **F24F 13/08** (2013.01); **F24F 13/24** (2013.01); **F24F 2013/0616** (2013.01); **F24F 2013/088** (2013.01)

Citation (search report)
• [X1] JP 2000304347 A 20001102 - MITSUBISHI ELECTRIC CORP
• [XD1] JP 2001099436 A 20010413 - FUJITSU GENERAL LTD
• [X1] JP H053816 U 19930122
• [A] US 2016223211 A1 20160804 - XUE JUN [JP], et al
• [A] JP 2003269738 A 20030925 - MITSUBISHI ELECTRIC CORP
• [A] EP 1890087 A1 20080220 - LG ELECTRONICS INC [KR]
• [A] JP 2014126260 A 20140707 - DAIKIN IND LTD
• [A] JP 2006226595 A 20060831 - MATSUSHITA ELECTRIC IND CO LTD
• See also references of WO 2019142466A1

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

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BA ME

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EP 3739268 A1 20201118; **EP 3739268 A4 20210317**; **EP 3739268 B1 20240103**; **EP 3739268 C0 20240103**; AU 2018402616 A1 20200903; AU 2018402616 B2 20210708; CN 111602006 A 20200828; ES 2969560 T3 20240521; JP 2019124437 A 20190725; JP 7005355 B2 20220210; WO 2019142466 A1 20190725

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EP 18901027 A 20181109; AU 2018402616 A 20181109; CN 201880086535 A 20181109; ES 18901027 T 20181109; JP 2018007218 A 20180119; JP 2018041713 W 20181109