

Title (en)
AIR CONDITIONER

Title (de)
KLIMAAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 3705801 A4 20201230 (EN)

Application
EP 18874501 A 20180928

Priority
• JP 2017209492 A 20171030
• JP 2018036229 W 20180928

Abstract (en)
[origin: EP3705801A1] This air conditioner includes: an indoor heat exchanger; an indoor fan; an indoor discharge port; an up/down air direction plate; an indoor heat exchanger temperature sensor; and a control device. The control device has an air volume control unit for restricting the air volume of the indoor fan at the start of a heating operation, and an air direction control unit for controlling the up/down air direction of the up/down air direction plate. The air volume control unit controls the air volume of the indoor fan at the start of the heating operation so that the air volume increases as the temperature of the indoor heat exchanger increases. The air direction control unit restricts the position of the up/down air direction plate at the start of the heating operation so that the up/down air volume plate is oriented toward at least an upward direction within a discharge direction adjustment range.

IPC 8 full level
F24F 11/81 (2018.01); **F24F 1/0011** (2019.01); **F24F 11/74** (2018.01); **F24F 11/79** (2018.01); **F25B 1/00** (2006.01); **F24F 140/20** (2018.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 11/74** (2017.12); **F24F 11/79** (2017.12); **F25B 1/00** (2013.01)

Citation (search report)
• [IY] US 8973845 B2 20150310 - KANAYA OSAMU [JP], et al
• [YA] JP 2002174450 A 20020621 - DAIKIN IND LTD
• [A] EP 0840071 A2 19980506 - TOSHIBA KK [JP]
• See references of WO 2019087632A1

Cited by
EP4414617A1

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 3705801 A1 20200909; **EP 3705801 A4 20201230**; **EP 3705801 B1 20220119**; CN 111279136 A 20200612; CN 111279136 B 20220329; JP 2019082277 A 20190530; JP 6493486 B1 20190403; WO 2019087632 A1 20190509

DOCDB simple family (application)
EP 18874501 A 20180928; CN 201880069361 A 20180928; JP 2017209492 A 20171030; JP 2018036229 W 20180928