

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Climatiseur

Publication
EP 2031320 A1 20090304 (EN)

Application
EP 08162940 A 20080826

Priority
• JP 2007221088 A 20070828
• JP 2007221094 A 20070828

Abstract (en)
Provided is an air conditioner including: a case (4) having an air passage (3) that communicates with an inlet (1) and an outlet (2) therein; a fan (5) that is disposed within the air passage (3) and generates an airflow; a slide motion rotating shaft (9) that is rotatably disposed in the outlet (2) and extends toward a side surface that bounds the outlet (2); a vertical blade (7, 30) that is disposed in the outlet (2), and rotates about the slide motion rotating shaft (9) to deflect a direction of the airflow which is blown out of the outlet (2) in an upward or downward direction; and a vertical blade driving unit (19) that is disposed between the slide motion rotating shaft (9) and the vertical blade (7), changes a relative position between the slide motion rotating shaft (9) and the vertical blade (7), and rotates the vertical blade (7) about the slide motion rotating shaft. Accordingly, for example, a part of the airflow can be prevented from flowing in an upward direction without being deflected in a downward direction when the vertical blade (7) is tilted toward the downward direction to deflect the direction of the airflow and the airflow passes through the vertical blade (7), thereby improving the controllability of the airflow.

IPC 8 full level
F24F 1/00 (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0057** (2019.01); **F24F 13/1426** (2013.01)

Citation (applicant)
JP H03158647 A 19910708 - MATSUSHITA ELECTRIC IND CO LTD

Citation (search report)
• [DA] JP H03158647 A 19910708 - MATSUSHITA ELECTRIC IND CO LTD
• [A] FR 2554216 A1 19850503 - HITACHI LTD [JP]
• [A] EP 0657701 A2 19950614 - FUJITSU GENERAL LTD [JP]
• [A] EP 1271065 A2 20030102 - LG ELECTRONICS INC [KR]

Cited by
CN112856793A; EP2498019A4; EP2848872A1; KR20150031832A; EP2746691A4; US9885488B2; US9897335B2; US10393422B2; EP2746691B1

Designated contracting state (EPC)
DE ES FR IT

Designated extension state (EPC)
AL BA MK RS

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