

Title (en)
CEILING TYPE INDOOR UNIT OF AIR CONDITIONER

Title (de)
DECKENINNENRAUMEINHEIT EINER KLIMAAANLAGE

Title (fr)
UNITÉ INTÉRIEURE DE CLIMATISEUR DE TYPE PLAFOND

Publication
EP 4332446 A3 20240515 (EN)

Application
EP 23216196 A 20180906

Priority
• KR 20170114121 A 20170906
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• KR 2018010445 W 20180906

Abstract (en)
Disclosed is a ceiling type indoor unit of an air conditioner, the ceiling type indoor unit including a case installed at the ceiling of a room so as to be suspended therefrom, the case having a suction port and a discharge port formed at the lower surface thereof, a module body installed at the case, at least a portion of the module body being exposed to the discharge port, a vane motor assembled to the module body, the vane motor being configured to provide driving force, a driving link assembled to the module body so as to be rotatable relative thereto, the driving link being coupled to the vane motor, the driving link being configured to be rotated by the driving force of the vane motor, the driving link including a first driving link body and a second driving link body having a predetermined angle therebetween, a first vane link located further forwards than the driving link, the first vane link being assembled to the module body so as to be rotatable relative thereto, a second vane link assembled to the second driving link body so as to be rotatable relative thereto, a first vane disposed at the discharge port, the first vane being disposed forwards in the discharge direction of air discharged from the discharge port, the first vane being assembled to each of the first driving link body and the first vane link so as to be rotatable relative thereto, and a second vane disposed at the discharge port, the second vane being assembled to the module body so as to be rotatable relative thereto by the second vane shaft, the second vane being assembled to the second vane link so as to be rotatable relative thereto, wherein the driving link includes a core link shaft protruding toward the vane motor for coupling with the vane motor, a first driving link shaft protruding from the first driving link body toward the first vane for assembly with the first vane, and a second driving link shaft protruding from the second driving link body toward the second vane link for assembly with the second vane link, the first driving link shaft and the second driving link shaft protrude in the same direction, and the core link shaft protrudes in the direction opposite the first driving link shaft and the second driving link shaft.

IPC 8 full level
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• [A] EP 0811810 A2 19971210 - FUJITSU GENERAL LTD [JP]
• [A] EP 2202468 A1 20100630 - SHARP KK [JP]

Designated contracting state (EPC)
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EP 3680571 A1 20200715; **EP 3680571 A4 20210609**; AU 2018327937 A1 20200423; AU 2018327937 B2 20220224;
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EP 4332446 A3 20240515; ES 2974022 T3 20240625; KR 102078277 B1 20200407; KR 102080512 B1 20200423; KR 102165467 B1 20201014;
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CN 202111519577 A 20180906; CN 202210475228 A 20180906; EP 18853201 A 20180906; EP 18854263 A 20180906;
EP 18854349 A 20180906; EP 18854669 A 20180906; EP 23216196 A 20180906; ES 18854349 T 20180906; KR 20180106319 A 20180906;
KR 20180106320 A 20180906; KR 20180106394 A 20180906; KR 20180106647 A 20180906; KR 20180106756 A 20180906