

Title (en)
AIR CONDITIONER

Title (de)
KLIMAAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 3064852 A1 20160907 (EN)

Application
EP 15749577 A 20150209

Priority
• KR 20140015315 A 20140211
• KR 2015001282 W 20150209

Abstract (en)
Disclosed are provided an air conditioner having a door that can be smoothly moved by a friction member. The air conditioner includes a main body configured to form an outer appearance, an outlet provided in a lower portion of the main body, and configured to discharge air, a door disposed in a front portion of the main body, and configured to open or close the outlet, a driving device including a pinion configured to be rotatable, and a rack interlocked with the pinion and configured to be movable together with the door; and a friction member configured to press the rack when the rack moves so as to maintain a predetermined spacing between the rack and the pinion. The rack and the door can slide smoothly along a curved path through the friction member by a force of the motor.

IPC 8 full level
F24F 1/00 (2011.01); **F24F 13/12** (2006.01)

CPC (source: EP US)
F24F 1/0011 (2013.01 - EP US); **F24F 1/0057** (2019.01 - EP US); **F24F 13/12** (2013.01 - EP US); **F24F 13/20** (2013.01 - US);
F24F 2013/1446 (2013.01 - EP US)

Cited by
CN110986157A; EP3745043A4

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 3064852 A1 20160907; **EP 3064852 A4 20170726**; **EP 3064852 B1 20230405**; CN 105980788 A 20160928; CN 105980788 B 20191213;
KR 102217011 B1 20210219; KR 20150094255 A 20150819; US 2017176026 A1 20170622; WO 2015122660 A1 20150820

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EP 15749577 A 20150209; CN 201580008185 A 20150209; KR 20140015315 A 20140211; KR 2015001282 W 20150209;
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