

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 3361174 A4 20181024 (EN)

Application
EP 17753097 A 20170210

Priority
• JP 2016029062 A 20160218
• JP 2017005017 W 20170210

Abstract (en)
[origin: EP3361174A1] An air conditioner (1) is provided with a front panel (3) covering the front face of a body housing (2) such that the front face can be opened/closed, an openable/closable panel (4) openable/closable between a closed position and an open position (4B) relative to the front panel (3), and an opening/closing mechanism (20) which opens/closes the openable/closable panel (4), wherein the opening/closing mechanism (20) is provided with: a slide rail (21) which is provided to the front panel (3); a fixed pivot part (22); a slider (23) which slides along the slide rail (21) and which includes a movable pivot part (24) and a rack gear (25); an upper pivot part (26); a lower pivot part (27); an upper link (28); a lower link (29); an intermediate link (31) which connects the movable pivot part (24) and an intermediate pivot part (30) that is provided to an intermediate section of the upper link (28); and a drive part (33) provided with a pinion gear (38) which is engaged with the rack gear (25) of the slider (23).

IPC 8 full level
F24F 13/20 (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP)
F24F 1/0057 (2019.01); **F24F 13/1426** (2013.01); **F24F 13/20** (2013.01); **F24F 2013/1433** (2013.01); **F24F 2013/1446** (2013.01)

Citation (search report)
• [A] EP 2226581 A1 20100908 - SHARP KK [JP]
• [A] JP 2011163613 A 20110825 - FUJITSU GENERAL LTD
• [A] WO 2011007522 A1 20110120 - DAIKIN IND LTD [JP], et al
• [A] EP 1950503 A1 20080730 - LG ELECTRONICS INC [KR]
• See references of WO 2017141839A1

Cited by
EP4276371A1

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 3361174 A1 20180815; EP 3361174 A4 20181024; EP 3361174 B1 20190626; AU 2017220420 A1 20180517; AU 2017220420 B2 20190418; CN 108351118 A 20180731; ES 2735499 T3 20191219; JP 2017146046 A 20170824; JP 6359577 B2 20180718; WO 2017141839 A1 20170824

DOCDB simple family (application)
EP 17753097 A 20170210; AU 2017220420 A 20170210; CN 201780003767 A 20170210; ES 17753097 T 20170210; JP 2016029062 A 20160218; JP 2017005017 W 20170210