

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 3690334 A1 20200805 (EN)**

Application  
**EP 20153821 A 20200127**

Priority  
• KR 20190013061 A 20190131  
• KR 20190031422 A 20190319

Abstract (en)  
Provide is an air conditioner. The air conditioner includes a filter assembly (300) disposed in an air suction hole (S2) that is lengthily defined in the air conditioner in a left-right direction and a pair of moving mechanisms (500) configured to allow the filter assembly (300) to move forward and backward in a direction crossing a longitudinal direction of the filter assembly (300). The pair of moving mechanisms (500) includes a motor (510) and a rack (530) configured to move forward and backward by the motor (510). The filter assembly (300) is withdrawn forward from the air conditioner when the motor (510) operates, and the filter assembly (300) is inserted into the air conditioner when the motor (510) operates reversely.

IPC 8 full level  
**F24F 8/10** (2021.01)

CPC (source: CN EP US)  
**F24F 1/0073** (2019.02 - CN EP US); **F24F 8/10** (2021.01 - CN EP US); **F24F 11/70** (2018.01 - EP); **F24F 13/20** (2013.01 - EP); **F24F 13/28** (2013.01 - CN EP)

Citation (applicant)  
• KR 20090084473 A 20090805 - LG ELECTRONICS INC [KR]  
• KR 106609681 B1

Citation (search report)  
• [XAI] EP 2236948 A1 20101006 - FUJITSU GENERAL LTD [JP]  
• [X] WO 2007083484 A1 20070726 - SHARP KK [JP], et al  
• [X] JP 2009216277 A 20090924 - MITSUBISHI HEAVY IND LTD  
• [X] EP 2251616 A1 20101117 - DAIKIN IND LTD [JP]  
• [X] EP 1376024 A1 20040102 - FUJITSU GENERAL LTD [JP]  
• [X] EP 1640671 A2 20060329 - FUJITSU GENERAL LTD [JP]

Cited by  
CN114198836A

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 3690334 A1 20200805**; **EP 3690334 B1 20220420**; CN 111503744 A 20200807; CN 111503744 B 20211203; EP 3835679 A1 20210616; EP 3835679 B1 20230809; ES 2914514 T3 20220613; ES 2962811 T3 20240321

DOCDB simple family (application)  
**EP 20153821 A 20200127**; CN 202010075021 A 20200122; EP 21150232 A 20200127; ES 20153821 T 20200127; ES 21150232 T 20200127