

Title (en)

Air conditioner with air flow guide element for noise reduction

Title (de)

Klimaanlage mit Luftleitelement zur Geräuschreduzierung

Title (fr)

Climatiseur avec guide d'air pour réduction de bruit

Publication

EP 1890087 A1 20080220 (EN)

Application

EP 07113938 A 20070807

Priority

KR 20060075454 A 20060810

Abstract (en)

An air conditioner including a housing and a fan within the housing is provided. The fan may be configured to draw air into the housing and direct air radially outward. A heat exchanger may be configured to exchange heat with the air drawn into the housing. Also, at least one airflow guide may be configured to extend into a flow path of the air so that the flow of air is guided through the heat exchanger along a surface of the airflow guide.

IPC 8 full level

F24F 1/00 (2006.01); **F24F 1/0047** (2019.01); **F24F 1/0063** (2019.01)

CPC (source: EP KR US)

F24F 1/0007 (2013.01 - KR); **F24F 1/0022** (2013.01 - EP US); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US);
F24F 13/081 (2013.01 - EP US); **F24F 13/082** (2013.01 - KR); **F24F 13/24** (2013.01 - EP KR US); **F24F 2013/0616** (2013.01 - EP US)

Citation (search report)

- [X] JP 2001099436 A 20010413 - FUJITSU GENERAL LTD
- [X] JP H11325497 A 19991126 - SANYO ELECTRIC CO
- [X] JP 2000161694 A 20000616 - TOSHIBA CORP
- [A] JP 2000304347 A 20001102 - MITSUBISHI ELECTRIC CORP

Cited by

EP3748238A4; EP3358270A1; EP3596404A4; EP3130866A1; EP3739268A4; US10302314B2; US11364772B2

Designated contracting state (EPC)

ES FR IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1890087 A1 20080220; CN 101122407 A 20080213; CN 101122407 B 20110928; KR 100782195 B1 20071204;
US 2008035317 A1 20080214

DOCDB simple family (application)

EP 07113938 A 20070807; CN 200710141971 A 20070810; KR 20060075454 A 20060810; US 83639507 A 20070809