

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; EP3130866A1; EP3596404A4; 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