

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 2019950 A4 20120229 (EN)**

Application  
**EP 07746591 A 20070518**

Priority  
• KR 2007002443 W 20070518  
• KR 20060045429 A 20060520

Abstract (en)  
[origin: WO2007136204A1] Provided is an air conditioner. According to the air conditioner, an installation structure of an indoor heat exchanger installed inside the air conditioner is improved, so that the air conditioner become slim and an installation space for additional devices such as a filter can be secured. According to the air conditioner, the indoor heat exchanger divides a passage of air introduced into a main unit into an upper passage and a lower passage, so that interference between the upper and lower passages can be minimized, and thus operation efficiency of the air conditioner can improve. Also, a space of a predetermined size is formed between the indoor heat exchanger and air intake holes to receive a predetermined device such as a filter and a negative ion generator that can give a separate function to the air conditioner.

IPC 8 full level  
**F24F 1/0063** (2019.01); **F24F 1/0067** (2019.01); **F24F 1/0073** (2019.01)

CPC (source: EP KR US)  
**F24F 1/0014** (2013.01 - EP US); **F24F 1/0033** (2013.01 - EP US); **F24F 1/0057** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0067** (2019.01 - EP US); **F24F 1/0073** (2019.01 - EP US); **F24F 1/48** (2013.01 - KR); **F24F 13/00** (2013.01 - KR); **F24F 13/22** (2013.01 - KR); **F24F 13/30** (2013.01 - KR); **F24F 1/0025** (2013.01 - EP US)

Citation (search report)  
• [XII] US 4958500 A 19900925 - KURODA SHIGEAKI [JP], et al  
• [XI] GB 2272080 A 19940504 - TOSHIBA KK [JP], et al  
• [XI] JP H11118176 A 19990430 - FUJITSU GENERAL LTD  
• [XI] EP 0943876 A1 19990922 - ELECTRICITE DE FRANCE [FR]  
• [A] EP 1653159 A2 20060503 - LG ELECTRONICS INC [KR]  
• See references of WO 2007136204A1

Citation (examination)  
US 2005034472 A1 20050217 - HONG SANG MIN [KR], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007136204 A1 20071129**; CN 101449107 A 20090603; EP 2019950 A1 20090204; EP 2019950 A4 20120229; KR 100826028 B1 20080428; KR 20070112335 A 20071123; US 2009113915 A1 20090507

DOCDB simple family (application)  
**KR 2007002443 W 20070518**; CN 200780018525 A 20070518; EP 07746591 A 20070518; KR 20060045429 A 20060520; US 30149007 A 20070518