

Title (en)
Air conditioner having ventilation system

Title (de)
Klimaanlage mit Belüftungsanlage

Title (fr)
Dispositif de climatisation avec système de ventilation

Publication
EP 1921389 A3 20091216 (EN)

Application
EP 07100284 A 20070109

Priority
KR 20060111280 A 20061110

Abstract (en)
[origin: EP1921389A2] Disclosed is an air conditioner having a ventilation system, capable of supplying and exhausting air using an existing through-hole bored through a wall. The air conditioner includes an indoor unit installed indoors, and exchanging heat with indoor air; a supply air duct connected to the indoor unit, and drawing outdoor air; a shared pipe connected to the indoor unit, and discharging both condensed water generated from the indoor unit and the indoor air; and a separator separating the condensed water from the condensed water-containing air discharged through the shared pipe. Thereby, the efficiency of ventilating the indoor air is increased in the air conditioner having the ventilation system.

IPC 8 full level
F24F 1/00 (2011.01); **F24F 13/22** (2006.01)

CPC (source: EP KR)
F24F 1/00 (2013.01 - KR); **F24F 1/0003** (2013.01 - EP); **F24F 1/32** (2013.01 - EP); **F24F 13/00** (2013.01 - KR); **F24F 13/22** (2013.01 - KR); **F24F 13/222** (2013.01 - EP); **F24F 2011/0002** (2013.01 - EP); **F24F 2013/227** (2013.01 - EP)

Citation (search report)
• [X] JP 2005337637 A 20051208 - FUJITSU GENERAL LTD
• [A] JP 2004028468 A 20040129 - SHARP KK
• [A] JP H08178349 A 19960712 - DAIKIN IND LTD
• [A] JP S55111021 U 19800804

Cited by
ITME20130008A1; CN110081583A; EP3584505A4; WO2023026077A1

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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EP 1921389 A2 20080514; EP 1921389 A3 20091216; CN 101178197 A 20080514; JP 2008122057 A 20080529; KR 20080042608 A 20080515

DOCDB simple family (application)
EP 07100284 A 20070109; CN 200610172100 A 20061228; JP 2007009406 A 20070118; KR 20060111280 A 20061110