

Title (en)
AIR CONDITIONER WITH HUMIDIFYING FUNCTION

Title (de)
KLIMAANLAGE MIT LUFTBEFEUCHTUNG

Title (fr)
CLIMATISEUR AVEC FONCTION D'HUMIDIFICATION

Publication
EP 1116922 A4 20030416 (EN)

Application
EP 00944343 A 20000710

Priority
• JP 0004557 W 20000710
• JP 21208999 A 19990727

Abstract (en)
[origin: EP1116922A1] A humidifier (2) for adsorbing moisture of outside air to an adsorbent and desorbing the moisture from the adsorbent and then supplying the moisture to an indoor unit (1) is disposed on top of the outdoor unit (1). In the humidifier (2), a humidifying rotor (5) serving as the adsorbent is so disposed that a shaft (6) thereof is generally vertical, by which the humidifier (2) is made low in height. Humidified-air transportation piping (4) for transporting humidified air from the humidifier (2) to an indoor unit (3) extends from the humidifier (2) downward along a side face (1a) of the outdoor unit (1), and further extends upward from a lower part of the side face (1a) of the outdoor unit (1) so as to be connected to the indoor unit (3). As a result, there can be provided an air conditioner having humidifying function which allows the humidifier to be installed without enlarging the floor space of the outdoor unit and which allows a trap for treating water in the humidified-air transportation piping to be easily installed.
<IMAGE>

IPC 1-7
F24F 6/00; **F24F 1/00**; **F24F 3/14**; **F24F 6/06**

IPC 8 full level
F24F 3/14 (2006.01); **F24F 3/147** (2006.01); **F24F 6/00** (2006.01); **F24F 6/06** (2006.01)

CPC (source: EP KR)
F24F 1/0003 (2013.01 - EP); **F24F 3/1423** (2013.01 - EP); **F24F 6/00** (2013.01 - EP KR); **F24F 2203/1032** (2013.01 - EP); **F24F 2203/1068** (2013.01 - EP); **F24F 2203/1084** (2013.01 - EP)

Citation (search report)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 11 29 November 1996 (1996-11-29)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 02 28 February 1997 (1997-02-28)
• See references of WO 0107838A1

Cited by
EP1598600A3; EP1679476A1; CN100425920C; WO03048650A1

Designated contracting state (EPC)
BE ES FR GR IT PT

DOCDB simple family (publication)
EP 1116922 A1 20010718; **EP 1116922 A4 20030416**; **EP 1116922 B1 20060913**; CN 1158486 C 20040721; CN 1319171 A 20011024; ES 2270846 T3 20070416; JP 2001041511 A 20010216; JP 3430980 B2 20030728; KR 100392927 B1 20030728; KR 20010075374 A 20010809; PT 1116922 E 20061229; WO 0107838 A1 20010201

DOCDB simple family (application)
EP 00944343 A 20000710; CN 00801528 A 20000710; ES 00944343 T 20000710; JP 0004557 W 20000710; JP 21208999 A 19990727; KR 20017003847 A 20010326; PT 00944343 T 20000710