

Title (en)
Air conditioner and humidifying/dehumidifying apparatus attached thereto

Title (de)
Klimaanlage mit Vorrichtung zur Entfeuchtung/Befeuchtung

Title (fr)
Installation de climatisation avec dispositif d'humidification/déshumidification

Publication
EP 1526343 A3 20051123 (EN)

Application
EP 05001543 A 20001012

Priority
• EP 00122158 A 20001012
• JP 29195699 A 19991014
• JP 29319499 A 19991015
• JP 35276099 A 19991213

Abstract (en)
[origin: EP1092927A2] In an air conditioner, a large liquid crystal display apparatus (6) displaying a state of operation is arranged facing slightly downward approximately at the central portion of the body. Therefore, display contents of the display apparatus is easily viewable. Further, a humidifying/dehumidifying apparatus (24) contained in the air conditioner has a driving motor (49) for rotating a rotating body (39) of a moisture absorber is provided outside a case (56), on the side of the case (56) in the same plane as the rotating body (39). Therefore, the motor (49) can be mounted at the end, facilitating maintenance. Further, the state of engagement between the rotating body and a driving gear can be easily recognized. Further, at an outdoor side end of a ventilation duct (75), an auxiliary duct (78) having an outlet side end (80) of an approximately semicircular shape twisted by about 90 DEG with respect to a coupling portion (79) for the ventilation duct (75) is coupled. When the coupling portion (79) of the auxiliary duct (78) is adapted to have cross sections of different diameters, it can be coupled to a ventilation duct (75) having a small diameter. Further, if the outlet side end opening (83) is cut obliquely, air circulation is not hindered even when it is in contact with a wall surface of the weather cover (81). <IMAGE>

IPC 1-7
F24F 1/00

IPC 8 full level
F24F 1/0057 (2019.01); **F24F 1/0063** (2019.01); **F24F 3/14** (2006.01); **F24F 11/00** (2006.01)

CPC (source: EP US)
F24F 1/0057 (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 1/26** (2013.01 - EP); **F24F 1/32** (2013.01 - EP); **F24F 3/1423** (2013.01 - EP); **F24F 11/30** (2017.12 - EP); **F24F 11/52** (2017.12 - EP US); **F24F 11/56** (2017.12 - EP); **F24F 2003/1464** (2013.01 - EP); **F24F 2203/1012** (2013.01 - EP); **F24F 2203/1016** (2013.01 - EP); **F24F 2203/1032** (2013.01 - EP); **F24F 2203/1056** (2013.01 - EP); **F24F 2203/1068** (2013.01 - EP); **F24F 2203/1084** (2013.01 - EP); **F24F 2203/1088** (2013.01 - EP); **F24F 2203/1092** (2013.01 - EP)

Citation (search report)
• [A] EP 0823596 A2 19980211 - SHARP KK [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05 30 April 1998 (1998-04-30)
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 395 (M - 1451) 23 July 1993 (1993-07-23)
• [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 284 (M - 1270) 24 June 1992 (1992-06-24)

Designated contracting state (EPC)
ES FR IT

DOCDB simple family (publication)
EP 1092927 A2 20010418; **EP 1092927 A3 20020731**; **EP 1092927 B1 20060726**; AU 6651900 A 20010426; AU 776223 B2 20040902; CN 1165714 C 20040908; CN 1244779 C 20060308; CN 1246647 C 20060322; CN 1293340 A 20010502; CN 1504695 A 20040616; CN 1504696 A 20040616; EP 1526342 A2 20050427; EP 1526342 A3 20051123; EP 1526343 A2 20050427; EP 1526343 A3 20051123; ES 2267442 T3 20070316

DOCDB simple family (application)
EP 00122158 A 20001012; AU 6651900 A 20001013; CN 00130496 A 20001013; CN 200310123298 A 20001013; CN 200310123299 A 20001013; EP 05001542 A 20001012; EP 05001543 A 20001012; ES 00122158 T 20001012