

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
APPAREIL DE CONDITIONNEMENT D'AIR

Publication
EP 0962716 A4 20011017 (EN)

Application
EP 98945578 A 19981002

Priority
• JP 9804450 W 19981002
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Abstract (en)
[origin: EP0962716A1] An air conditioner has a blow-off outlet (11) blowing off wind flowing from an indoor heat-exchanger (7); and a closing member (20, 21) provided by spacing one end thereof by a predetermined length (X) from each of ends (11a, 11b) of the blow-off outlet toward a center of the blow-off outlet (11) to partly close the blow-off outlet (11). Therefore, when cold wind blown out from the indoor heat exchanger (7) strikes the closing member (20, 21) during an air-cooling operation, the cold wind is capable dividedly of flowing to openings positioned at both sides of the closing member (20, 21). Accordingly, the end portion of the wind direction blade (15) is covered with the cold wind, and it is possible to prevent the cold wind and indoor air from contacting each other at the end portion of the wind direction blade (15). Accordingly, it is possible to allow the air to flow smoothly and prevent dew from being formed on the end portion of the wind direction blade (15). <IMAGE> <IMAGE>

IPC 1-7
F24F 1/00

IPC 8 full level
F24F 1/00 (2006.01); **F24F 13/06** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0047** (2019.01)

Citation (search report)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02 30 January 1998 (1998-01-30)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 11 29 November 1996 (1996-11-29)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07 31 July 1997 (1997-07-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03 31 March 1997 (1997-03-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 248 (M - 1411) 18 May 1993 (1993-05-18)
• See references of WO 9920945A1

Cited by
EP1016833A3; EP1326054A4; US6338676B1; US12000601B2

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