

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
APPAREIL DE CONDITIONNEMENT D'AIR

Publication  
**EP 0926452 A4 20011128 (EN)**

Application  
**EP 98924634 A 19980616**

Priority  
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• JP 31217297 A 19971113

Abstract (en)  
[origin: EP0926452A1] The air conditioner of the present invention is equipped, within a casing 2, with a cylindrical bell mouth 8 for introducing room air, a centrifugal fan 10 for radially blowing off air sucked in through the bell mouth 8, and a heat exchanger 9 provided opposite to an air outlet 10b of the centrifugal fan 10. A shroud 5 of the centrifugal fan 10 has an annular guide portion 5c which is provided radially outside the blade support portion 5b and which abuts on an annular blade support portion 5b and extends toward the suction side in the axial direction. By virtue of this guide portion 5c, air blow noise can be reduced effectively. <IMAGE>

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**F24F 1/00**; **F24F 13/24**

IPC 8 full level  
**F24F 1/0067** (2019.01); **F24F 13/20** (2006.01); **F24F 13/24** (2006.01); **F24F 13/32** (2006.01); **F24F 13/06** (2006.01)

CPC (source: EP US)  
**F24F 1/0022** (2013.01 - EP); **F24F 1/0047** (2019.01 - EP); **F24F 1/0067** (2019.01 - EP US); **F24F 13/24** (2013.01 - EP); **F24F 13/06** (2013.01 - EP)

Citation (search report)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 430 (M - 1460) 10 August 1993 (1993-08-10)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 146 (M - 587) 13 May 1987 (1987-05-13)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 432 (M - 1026) 17 September 1990 (1990-09-17)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 531 (M - 1333) 30 October 1992 (1992-10-30)  
• See references of WO 9858213A1

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US9587841B2; EP1553360A4; EP3321597A4; EP1184575A3; EP1966544A4; EP3418641A4; US2014231051A1; EP2781844A1; US7856837B2; US10473356B2; US10627132B2; EP1184575A2; US6679682B2; US11473596B2

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