

Title (en)  
OUTDOOR UNIT FOR AIR CONDITIONER

Title (de)  
AUSSENEINHEIT FÜR KLIMAANLAGE

Title (fr)  
UNITE D'EXTERIEUR POUR CLIMATISEUR

Publication  
**EP 1610068 B1 20090916 (EN)**

Application  
**EP 04724144 A 20040329**

Priority  
• JP 2004004426 W 20040329  
• JP 2003096748 A 20030331

Abstract (en)  
[origin: EP1610068A1] In an outdoor unit of an air conditioner, provided with an axial fan provided with a plurality of vanes arranged with a predetermined interval along an outer peripheral surface of a hub, each of the vanes having a vane rear edge portion having a profile line in a rotational direction so as to provide concave shape in a vane front edge direction, and a bell mouth arranged in an air blowing side by the axial fan, the outdoor unit is provided with an axial blower in which the bell mouth and the axial fan are arranged so as to satisfy a ratio (X/L) to be in a range between 0.2 and 0.8 in which X is a distance between a most fallen portion to an inner side in the rotational direction of the profile line of the vane rear edge and an air outflow surface of the bell mouth, and L is a length in an axial direction of the bell mouth. <IMAGE>

IPC 8 full level  
**F24F 5/00** (2006.01); **F04D 19/00** (2006.01); **F04D 29/38** (2006.01); **F24F 1/38** (2011.01); **F24F 1/40** (2011.01)

CPC (source: EP KR)  
**F04D 19/002** (2013.01 - EP); **F04D 29/38** (2013.01 - KR); **F04D 29/384** (2013.01 - EP); **F24F 1/38** (2013.01 - EP KR); **F24F 1/40** (2013.01 - EP)

Cited by  
EP2085618A3; EP2960525A4; EP3182025A1; US10054355B2; US8191381B2

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ES GB

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