

Title (en)
OUTDOOR UNIT FOR AIR CONDITIONER

Title (de)
AUSSENEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITE D'EXTERIEUR POUR CLIMATISEUR

Publication
EP 1610068 A4 20071121 (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 1-7
F24F 5/00

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)

Citation (search report)
• [A] JP 2002257096 A 20020911 - DAIKIN IND LTD
• [A] JP 2003013892 A 20030115 - DAIKIN IND LTD
• [DA] JP 2002257088 A 20020911 - TOSHIBA CARRIER KK
• [PA] EP 1382856 A1 20040121 - DAIKIN IND LTD [JP]
• [PA] EP 1357296 A1 20031029 - DAIKIN IND LTD [JP]
• See references of WO 2004088210A1

Cited by
EP2085618A3; EP2960525A4; EP3182025A1; US10054355B2; US8191381B2

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