

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
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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

Designated contracting state (EPC)
ES GB

DOCDB simple family (publication)
EP 1610068 A1 20051228; EP 1610068 A4 20071121; EP 1610068 B1 20090916; CN 100343590 C 20071017; CN 100480591 C 20090422; CN 101025281 A 20070829; CN 1768237 A 20060503; ES 2332591 T3 20100209; JP 2004301451 A 20041028; KR 100724824 B1 20070604; KR 20050120678 A 20051222; WO 2004088210 A1 20041014

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