

Title (en)
Axial flow fan

Title (de)
Axiallüftereinheit

Title (fr)
Ventilateur axial

Publication
EP 1512918 B1 20111026 (EN)

Application
EP 04077405 A 20040825

Priority
KR 20030062005 A 20030905

Abstract (en)
[origin: EP1512918A2] Disclosed is a axial flow fan of an outdoor unit of an air conditioner. The axial flow fan comprises a hub connected with a rotational shaft of a motor; and at least one blade contacting the hub, wherein the blade has a part from the hub to a predetermined portion of the blade among a whole part from the hub to an outer end of the blade, and t he other part from the predetermined portion of the blade to the outer end of the blade, t he part being equally applied at a predetermined rake angle, and the other part being rais ed in a direction of a pressure surface of the blade, and wherein a ratio of an inner diam eter and an outer diameter of the axial flow fan is between about 0.35 and about 0.4.

IPC 8 full level
F04D 29/38 (2006.01); **F24F 1/00** (2006.01); **F24F 7/007** (2006.01)

CPC (source: EP KR US)
F04D 29/38 (2013.01 - KR); **F04D 29/384** (2013.01 - EP US); **F24F 1/38** (2013.01 - EP US); **F24F 7/007** (2013.01 - EP US)

Cited by
EP2570677A4; US9394911B2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 1512918 A2 20050309; EP 1512918 A3 20100324; EP 1512918 B1 20111026; CN 100339601 C 20070926; CN 1590779 A 20050309; CN 1982729 A 20070620; JP 2005083386 A 20050331; KR 100547328 B1 20060126; KR 20050024158 A 20050310; US 2005053493 A1 20050310

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EP 04077405 A 20040825; CN 200410064129 A 20040819; CN 200610172568 A 20040819; JP 2004258695 A 20040906; KR 20030062005 A 20030905; US 92949304 A 20040831