

Title (en)
AXIAL FLOW FAN

Title (de)
AXIALSTROMVENTILATOR

Title (fr)
VENTILATEUR À FLUX AXIAL

Publication
EP 3085966 A4 20170816 (EN)

Application
EP 13899760 A 20131220

Priority
JP 2013084322 W 20131220

Abstract (en)
[origin: EP3085966A1] Provided is an axial flow blower (100), including: a propeller fan (1); and a motor (4) configured to rotate the propeller fan (1). The propeller fan (1) includes: a hub (2); and a plurality of blades (3) supported by the hub (2). A pressure surface (9b) of each of the plurality of blades includes a protruding portion (11) curved so as to swell to a suction side (6). A height of the protruding portion (11) of each of the plurality of blades on a trailing edge side is larger than a height of the protruding portion (11) on a leading edge side. A radial position of an apex (11c) of the protruding portion (11) on the trailing edge side is located on a radially inner side with respect to a radial position of the apex (11c) of the protruding portion (11) on the leading edge side.

IPC 8 full level
F04D 29/32 (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)
F04D 19/002 (2013.01); **F04D 29/384** (2013.01); **F04D 29/667** (2013.01); **F05D 2240/304** (2013.01)

Citation (search report)

- [XY] JP 2002257088 A 20020911 - TOSHIBA CARRIER KK
- [Y] JP 2011179330 A 20110915 - PANASONIC CORP
- [Y] JP 2000192898 A 20000711 - SHARP KK
- See references of WO 2015092924A1

Cited by
EP3604821A4; US11333168B2; EP3591236A4; CN115280020A; EP4130487A4; EP3613994A4; AU2017410135B2; US11067093B2; US11965522B2

Designated contracting state (EPC)
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