

Title (en)
CENTRIFUGAL FAN

Title (de)
ZENTRIFUGALGEBLÄSE

Title (fr)
VENTILATEUR CENTRIFUGE

Publication
EP 2275689 A1 20110119 (EN)

Application
EP 09746628 A 20090513

Priority
• JP 2009058938 W 20090513
• JP 2008126940 A 20080514

Abstract (en)
A centrifugal fan 1 includes a plurality of blades 44 having a three-dimensional shape, a main plate 43, an annular side plate 45, and a motor 41 for rotating the blades 44 via the main plate 43. One end face of each blade 44 in the span direction is fixed to the main plate 43, such that the blades 44 are spaced at predetermined intervals along the circumferential direction. The annular side plate 45 is provided at the other end faces of the blades 44 in the span direction. The radial length of a trailing edge 44b of each blade 44 at a part close to the main plate 43 is set longer than the radial length of the trailing edge 44b of each blade 44 at a part close to the side plate 45.

IPC 8 full level
F04D 29/30 (2006.01)

CPC (source: EP KR US)
F04D 29/281 (2013.01 - EP KR US); **F04D 29/30** (2013.01 - EP KR US); **F24F 1/0022** (2013.01 - KR); **F05D 2210/12** (2013.01 - KR); **F05D 2240/301** (2013.01 - KR); **F05D 2240/303** (2013.01 - EP US)

Citation (search report)
See references of WO 2009139422A1

Cited by
EP3922860A4; CN114174726A; EP2829733A4; US10662968B2; EP3916239A1; US9995311B2; US11566634B2; US11506220B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2275689 A1 20110119; AU 2009247219 A1 20091119; CN 101990604 A 20110323; JP WO2009139422 A1 20110922; KR 20100134011 A 20101222; US 2011023526 A1 20110203; WO 2009139422 A1 20091119

DOCDB simple family (application)
EP 09746628 A 20090513; AU 2009247219 A 20090513; CN 200980112350 A 20090513; JP 2009058938 W 20090513; JP 2010512006 A 20090513; KR 20107022393 A 20090513; US 92182809 A 20090513