

Title (en)

Radial or diagonal ventilator wheel

Title (de)

Radial- oder Diagonal-Ventilatorrad

Title (fr)

Roue de ventilateur radiale ou diagonale

Publication

**EP 2218917 B1 20130403 (DE)**

Application

**EP 09152661 A 20090212**

Priority

EP 09152661 A 20090212

Abstract (en)

[origin: EP2218917A1] The fan wheel (1) has a shroud (2) with an inlet port (4), a baseplate (6) and several fan blades (8) that are arranged over the circumference of the inlet port and around an axis of rotation (Z). The shroud and baseplate comprise a non-rotationally symmetrical geometry having a continuous and point-invariable profile with respect to the axis of rotation, along the axial or axially parallel direction.

IPC 8 full level

**F04D 29/16** (2006.01); **F04D 29/28** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP US)

**F04D 29/162** (2013.01 - EP US); **F04D 29/281** (2013.01 - EP US); **F04D 29/681** (2013.01 - EP US)

Cited by

US9989073B2; DE102020114389A1; US11649829B2

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

DOCDB simple family (publication)

**EP 2218917 A1 20100818; EP 2218917 B1 20130403**; CA 2692134 A1 20100812; CA 2692134 C 20150630; CN 101825113 A 20100908; CN 101825113 B 20130501; DK 2218917 T3 20130708; ES 2404073 T3 20130523; JP 2010185456 A 20100826; JP 5737666 B2 20150617; PL 2218917 T3 20130930; PT 2218917 E 20130411; SI 2218917 T1 20130531; US 2010202887 A1 20100812; US 8454317 B2 20130604

DOCDB simple family (application)

**EP 09152661 A 20090212**; CA 2692134 A 20100205; CN 201010110994 A 20100208; DK 09152661 T 20090212; ES 09152661 T 20090212; JP 2010029011 A 20100212; PL 09152661 T 20090212; PT 09152661 T 20090212; SI 200930571 T 20090212; US 70510310 A 20100212