

Title (en)
Fan

Title (de)
Lüfterrad

Title (fr)
Roue de ventilateur

Publication
EP 2372163 B1 20141008 (DE)

Application
EP 10003653 A 20100401

Priority
EP 10003653 A 20100401

Abstract (en)
[origin: EP2372163A1] The wheel (1) has fan wheel blades (2, 3) arranged between a base plate (4) and a cover plate. The blades comprise blade surfaces (6, 7), an outer edge (8) and an inner edge (9) when viewed from a fan wheel center point (M). A deflecting unit deflects impurities i.e. oil particles, contained in air supplied by the wheel blades. The deflecting unit is formed as reinforcing profiles (10A-10C), which are associated with the blades and are arranged between the base and cover plates under maintenance of radial distance with respect to the outer edge of the fan wheel blades.

IPC 8 full level
F04D 29/28 (2006.01)

CPC (source: EP)
F04D 29/281 (2013.01); **F04D 29/289** (2013.01)

Citation (examination)
FR 1058690 A 19540318 - BABCOCK & WILCOX FRANCE

Cited by
CN111550436A; WO2018158260A1; WO2018158226A1

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 SM TR

DOCDB simple family (publication)
EP 2372163 A1 20111005; EP 2372163 B1 20141008; WO 2011120659 A1 20111006

DOCDB simple family (application)
EP 10003653 A 20100401; EP 2011001513 W 20110325