

Title (en)

GUIDE GEOMETRY FOR HALF-AXIAL FAN WHEELS

Title (de)

FÜHRUNGSGEOMETRIE FÜR HALBAXIALE LÜFTERRÄDER

Title (fr)

GÉOMÉTRIE DE GUIDAGE POUR ROUES SEMI-AXIALES DE VENTILATEUR

Publication

EP 2459883 B1 20170125 (DE)

Application

EP 10721026 A 20100601

Priority

- DE 102009028130 A 20090730
- EP 2010057623 W 20100601

Abstract (en)

[origin: WO2011012351A1] A fan wheel (150) of a fan (130) comprises suction blades (210) having a leading edge (220) facing an axial inlet direction of the fan wheel, and exhaust blades (230) having an exhaust edge (240) facing a radial outlet direction of the fan wheel, as well as one deflecting element (270) connected positively or non-positively to at least one exhaust blade so as to deflect air from an active area of the suction blades (210) to an active area of the exhaust blades.

IPC 8 full level

F04D 25/06 (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)

F04D 25/0613 (2013.01 - EP US); **F04D 29/281** (2013.01 - EP US); **F04D 29/30** (2013.01 - EP US)

Designated contracting state (EPC)

AL 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)

DE 102009028130 A1 20110203; CN 102472289 A 20120523; EP 2459883 A1 20120606; EP 2459883 B1 20170125; JP 2013500426 A 20130107; JP 5709866 B2 20150430; US 2012189456 A1 20120726; WO 2011012351 A1 20110203

DOCDB simple family (application)

DE 102009028130 A 20090730; CN 201080033332 A 20100601; EP 10721026 A 20100601; EP 2010057623 W 20100601; JP 2012522049 A 20100601; US 201013387820 A 20100601