

Title (en)  
Dual direction axial fan

Title (de)  
Axialgebläse für umkehrbaren Motor

Title (fr)  
Ventilateur axiale pour moteur réversible

Publication  
**EP 2557317 A2 20130213 (EN)**

Application  
**EP 12179585 A 20120807**

Priority  
US 201113206640 A 20110810

Abstract (en)  
A dual direction axial fan (10) is provided and includes a body (20) having a retention assembly (21) and being rotatable in first or second directions, a blade (30) being retained by the retention assembly such that the airfoil section (31) extends from the body (20) with the blade (30) assuming first, second or third orientations and a switching mechanism (40) coupled to the retention assembly (21) to urge the blade (30) to assume the second or the third orientation when the body (20) rotates in the first or the second direction, respectively.

IPC 8 full level  
**F04D 29/36** (2006.01)

CPC (source: EP US)  
**F04D 29/364** (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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2557317 A2 20130213**; CN 102954037 A 20130306; US 2013039766 A1 20130214

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**EP 12179585 A 20120807**; CN 201210283603 A 20120810; US 201113206640 A 20110810