

Title (en)

DIFFUSER ASSEMBLY COMPRISING DIFFUSER VANES PIVOTING ABOUT THE LEADING EDGE

Title (de)

DIFFUSORANORDNUNG MIT ÜBER DER VORDERKANTE SCHWENKBAREN DIFFUSORSCHAUFELN

Title (fr)

ENSEMBLE DIFFUSEUR COMPORTANT DES AUBES DE DIFFUSEUR PIVOTANT AUTOUR DU BORD D'ATTAQUE

Publication

EP 2890898 A1 20150708 (EN)

Application

EP 13759369 A 20130823

Priority

- US 201213601352 A 20120831
- US 2013056328 W 20130823

Abstract (en)

[origin: WO2014035806A1] Embodiments of a diffuser assembly incorporate a diffuser vane with a trailing edge that changes position to improve flow performance of a compressor device. In one embodiment, the trailing edge rotates about the leading edge. This configuration maintains the position of the leading edge on the diffuser vanes relative to the orientation of the working fluid.

IPC 8 full level

F04D 29/46 (2006.01)

CPC (source: CN EP US)

F04D 29/462 (2013.01 - CN EP US); **F05D 2250/52** (2013.01 - EP)

Citation (search report)

See references of WO 2014035806A1

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)

WO 2014035806 A1 20140306; BR 112015004608 A2 20180417; CN 104755768 A 20150701; EP 2890898 A1 20150708; RU 2015107885 A 20161020; US 2014064933 A1 20140306

DOCDB simple family (application)

US 2013056328 W 20130823; BR 112015004608 A 20130823; CN 201380051296 A 20130823; EP 13759369 A 20130823; RU 2015107885 A 20130823; US 201213601352 A 20120831