

Title (en)  
RADIAL COMPRESSOR DIFFUSER

Title (de)  
RADIALVERDICHTERDIFFUSOR

Title (fr)  
DIFFUSEUR DE COMPRESSEUR RADIAL

Publication  
**EP 2483567 A1 20120808 (DE)**

Application  
**EP 10760303 A 20100923**

Priority  
• DE 102009043230 A 20090928  
• EP 2010064048 W 20100923

Abstract (en)  
[origin: WO2011036206A1] The invention relates to a radial compressor diffuser for a radial compressor stage (1), comprising a flow channel (7) which extends radially outwards and which has a cylindrical inlet cross-section (9) on a first radius (10) which extends radially inwards and a cylindrical outlet cross-section (11) which extends radially outwards. A radial diffuser outlet blade (15) is provided in the region of the outlet cross-section (11) in the flow channel (7), said outlet blade can prevent known disadvantages of traditional bladed diffusers.

IPC 8 full level  
**F04D 29/44** (2006.01)

CPC (source: EP US)  
**F04D 29/444** (2013.01 - EP US); **F05D 2250/52** (2013.01 - EP)

Citation (search report)  
See references of WO 2011036206A1

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)  
**WO 2011036206 A1 20110331**; CN 102686889 A 20120919; DE 102009043230 A1 20110526; EP 2483567 A1 20120808; US 2012183395 A1 20120719

DOCDB simple family (application)  
**EP 2010064048 W 20100923**; CN 201080043329 A 20100923; DE 102009043230 A 20090928; EP 10760303 A 20100923; US 201013498661 A 20100923