

Title (en)  
TURBO ENGINE WITH ACTIVE CLEARANCE CONTROL

Title (de)  
TURBOMASCHINE MIT ACTIVE CLEARANCE CONTROL

Title (fr)  
TURBOMACHINE AVEC CONTROLE DE JEU ACTIF

Publication  
**EP 2129875 A2 20091209 (DE)**

Application  
**EP 08706764 A 20080116**

Priority  
• DE 2008000067 W 20080116  
• DE 102007003028 A 20070120

Abstract (en)  
[origin: US8376691B2] A turbine engine is disclosed. A blade ring is surrounded by a housing wall, the housing wall being configured as an outer ring, and delimits therewith a gap, the gap being adjustable by deformation of the outer ring. The outer ring is concentrically surrounded by an adjusting element, opposite faces of the outer ring and the adjusting element having the contour of a truncated cone, and rolling bodies being positioned between the outer ring and the adjusting element, the rolling bodies being put at an oblique angle in relation to the axial direction in the radial direction and in the peripheral direction, making it possible for the adjusting element to be rotated in relation to the outer ring while simultaneously adjusting the gap.

IPC 8 full level  
**F01D 11/22** (2006.01)

CPC (source: EP US)  
**F01D 11/22** (2013.01 - EP US); **F05D 2240/11** (2013.01 - EP US); **F05D 2250/292** (2013.01 - EP US); **F05D 2260/50** (2013.01 - EP US); **F05D 2300/501** (2013.01 - EP US)

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2010054921 A1 20100304; US 8376691 B2 20130219**; AT E501340 T1 20110315; CA 2676012 A1 20080724;  
DE 102007003028 A1 20080724; DE 502008002810 D1 20110421; EP 2129875 A2 20091209; EP 2129875 B1 20110309;  
ES 2358165 T3 20110506; WO 2008086782 A2 20080724; WO 2008086782 A3 20091119

DOCDB simple family (application)  
**US 52365608 A 20080116**; AT 08706764 T 20080116; CA 2676012 A 20080116; DE 102007003028 A 20070120; DE 2008000067 W 20080116;  
DE 502008002810 T 20080116; EP 08706764 A 20080116; ES 08706764 T 20080116