

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

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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.

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