

Title (en)

HIGH PRESSURE TURBINE FOR TURBINE ENGINE WITH IMPROVED MOUNTING OF THE HOUSING FOR CONTROLLING THE RADIAL CLEARANCE OF MOBILE BLADES

Title (de)

HOCHDRUCKTURBINE FÜR TURBOMOTOR MIT VERBESSERTER BEFESTIGUNG DES GEHÄUSES ZUR STEUERUNG DES RADIALSPIELS BEWEGLICHER SCHAUFELN

Title (fr)

TURBINE HAUTE PRESSION D'UNE TURBOMACHINE AVEC MONTAGE AMELIORE DU BOITIER DE PILOTAGE DES JEUX RADIAUX D'AUBES MOBILES

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Application

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Abstract (en)

[origin: WO2009144191A1] The invention relates to an improvement in high-pressure turbines (10) of turbine engines, such as a turbojet, in which a housing (40) for driving the axial clearance of rotary blades (18) is provided. According to the invention, an annular member (5) having a predetermined flexibility is also provided, and has one end (51) attached to an annular bearing (24) and another end (52) arranged for simple axial bearing under a given pressure against the upstream portion (401) of the control housing (40). It is thus possible to avoid parasitic vibratory strains at the attachment points (45, 46) of the control housing to the outer casing (22) of the turbines, and to thereby prevent the occurrence of cracks.

IPC 8 full level

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