

Title (en)
TURBINE RING ASSEMBLY WITH A CURVED AND RECTANGULAR CONTACT SURFACE

Title (de)
TURBINENRINGANORDNUNG MIT EINER GEWÖLBTEN UND RECHTECKIGEN AUFLAGEFLÄCHE

Title (fr)
ENSEMBLE D'ANNEAU DE TURBINE À APPUIS RECTILIGNES BOMBÉS

Publication
EP 3870807 B1 20230405 (FR)

Application
EP 19842803 A 20191210

Priority
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• FR 2019052989 W 20191210

Abstract (en)
[origin: WO2020128222A1] A turbine ring assembly comprising ring sectors (10a, 10b) forming a turbine ring (1) and a ring support structure (3), each sector (10a, 10b) having, on a plane of section defined by an axial direction (DA) and a radial direction (DR) of the ring (1), a first and a second attachment lug (14, 16) extending in the radial direction (DR), and said structure (3) comprising a central shell ring (31) from which there extends, as projections, a first and a second radial flange (32, 36) between which the first and second attachment lugs (14, 16) of each sector (10a, 10b) are held. Each sector (10a, 10b) comprises rectilinear seatings (110) mounted on the faces of the first and second attachment lugs (14, 16) respectively in contact with the second annular flange (36) and the annular ring-flange (33) and comprising, along a tangent to the circumferential direction (DC), a thickness that is variable in the axial direction (DA) with a minimum thickness at the first and second ends (102, 104) of the sector (10a, 10b), and a maximum thickness in a middle portion (110m) of the rectilinear seating (110).

IPC 8 full level
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