

Title (en)
TURBINE SHROUD ASSEMBLY AND CORRESPONDING TURBINE

Title (de)
TURBINENDECKBANDANORDUNG UND ZUGEHÖRIGE TURBINE

Title (fr)
ENSEMBLE D'ANNEAU DE TURBINE ET TURBINE ASSOCIÉE

Publication
EP 3390783 B1 20191002 (FR)

Application
EP 16825493 A 20161214

Priority
• FR 1562741 A 20151218
• FR 2016053395 W 20161214

Abstract (en)
[origin: WO2017103451A1] A plurality of CMC ring sectors forms a turbine ring. A support structure (3) comprises two annular flanges (32; 36). Each ring sector has an outer face with two tabs (14; 16) held between the annular flanges (32; 36) of the support structure. Each tab comprises a projecting portion (140; 160) facing a flange cooperating with a housing (320; 360) present on the flange, and an opening (15; 17) in which there is accommodated, with a clearance, a holding element (40a; 40b) that has a higher thermal expansion coefficient than the CMC and is secured to the flange. The housing has two portions (360a; 360b) abutting on the projecting portion and inclined relative to the radial direction (DA) and the axial direction (RA).

IPC 8 full level
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Citation (examination)
• WO 2016146942 A1 20160922 - HERAKLES [FR], et al
• WO 2016189223 A1 20161201 - HERAKLES [FR], et al

Cited by
FR3093344A1; US11591924B2; WO2020178490A1

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 RS SE SI SK SM TR

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FR 2016053395 W 20161214; CN 201680079488 A 20161214; EP 16825493 A 20161214; FR 1562741 A 20151218; US 201616063050 A 20161214