

Title (en)
Positioning device for a turbine liner

Title (de)
Sicherungsvorrichtung für ein Turbinendeckband

Title (fr)
Dispositif de fixation pour une virole de turbine

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Application
EP 00403105 A 20001109

Priority
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Abstract (en)
The invention concerns a ring (103) assembled to the strut (102) of the turbine by an assembly of hooks (32, 35) nested on one side, and a rim locking stops (38, 39) and a mortise-and-tenon joint (41, 42) on the other side. The invention is characterised in that the mortise-and-tenon (41, 42) are separated from the rim locking stops (38, 39) to limit the clearances in axial direction produced by construction or thermal expansions, to improve the mechanical resistance and simplify manufacture.

Abstract (fr)
L'anneau 103 est joint à l'entretoise 102 de la turbine par un assemblage comprenant des crochets 32, 35 imbriqués d'un côté, et une butée de rebords 38, 39 ainsi qu'un assemblage à tenon et mortaise 41, 42 de l'autre côté. Conformément à l'invention, le tenon et la mortaise 41, 42 sont séparés des rebords en butée 38, 39 pour limiter les jeux en direction axiale produits par construction ou par des dilatations thermiques, pour améliorer la résistance mécanique et pour simplifier la fabrication. <IMAGE>

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Citation (applicant)
US 5197853 A 19930330 - CREEVY CLIFFORD S [US], et al

Citation (search report)
• [DX] US 5197853 A 19930330 - CREEVY CLIFFORD S [US], et al
• [A] US 5669757 A 19970923 - BRACKETT NORMAN C [US]
• [A] US 5320486 A 19940614 - WALKER ROGER C [US], et al
• [A] US 5609469 A 19970311 - WORLEY KEVIN L [US], et al

Cited by
KR101259205B1; FR3009739A1; EP1939459A1; EP3093455A1; FR2955359A1; EP4170237A1; FR3009740A1; CN105579670A; FR2955898A1; FR2942844A1; EP2653662A1; FR2942845A1; EP2039885A1; FR2921410A1; CN102272419A; FR3070718A1; CN111051649A; EP2060744A1; EP2060750A1; FR2923526A1; FR2923527A1; US7665958B2; US7665957B2; US10247039B2; US8182216B2; US8038393B2; US7658593B2; WO2006100233A1; WO2006100235A1; WO2015022468A1; WO2007016220A3; WO2006100237A1; US11933221B2; US9080463B2; US11149574B2; US8133013B2; US8277179B2; US9828879B2; US9932901B2; WO2010103213A1; WO2019048766A1

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