

Title (en)

Assembly for the axial and radial fastening of a guide vane ring in a casing of a turbine engine

Title (de)

Anordnung für das axiale und radiale Festlegen einer Leitschaufelbaugruppe in dem Gehäuse eines Turbinentriebwerkes

Title (fr)

Ensemble de fixation axiale et radiale d'une aube statorique dans un boîtier d'un moteur à turbine

Publication

EP 1462616 B1 20110615 (DE)

Application

EP 04002392 A 20040204

Priority

DE 10312956 A 20030322

Abstract (en)

[origin: EP1462616A2] The arrangement for the axial and radial fixing of a guide vane assembly in the casing of a gas turbine engine has a piston ring type locking ring (30) which in cross section is L-shaped, with the long side (32) engaging in a radial slot (18) in the wall of the casing (14), and the short side (33) fitting behind a hook-form protrusion (34) on each blade head (11). The locking ring is held in its locked position by means of a U-shaped clamp (36) which is fastened on the subsequent turbine shroud segment (26) and which lies against the short side.

IPC 8 full level

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CPC (source: EP)

F01D 9/042 (2013.01); **F01D 25/246** (2013.01); **F05D 2230/642** (2013.01); **F05D 2250/232** (2013.01); **F05D 2260/30** (2013.01)

Cited by

US9562441B2; FR3083820A1; DE102016203567A1; FR2985792A1; GB2513754A; GB2513754B; US9709072B2; WO2013107967A1; US8128357B2; US10844747B2; FR2960591A1; CN102918230A; US2013078086A1; FR2989724A1; CN104246141A; JP2015514907A; RU2633316C2; EP2060744A1; FR2923526A1; WO2011151596A1; WO2013156734A1; US8277179B2; EP2787178A1; US9957841B2; EP3000990B1

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