

Title (en)

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

Title (de)

Anordnung für das axiale und radiale Festlegen eines Vane-Klusters in dem Gehäuse eines Turbinentriebwerkes

Title (fr)

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

Publication

EP 1462616 A3 20090930 (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

F01D 9/04 (2006.01); **F01D 25/24** (2006.01)

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)

Citation (search report)

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- [PA] US 6537022 B1 20030325 - HOUSLEY CHRISTOPHER GEORGE [US], et al
- [A] EP 1505259 A1 20050209 - ROLLS ROYCE PLC [GB]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1462616 A2 20040929; **EP 1462616 A3 20090930**; **EP 1462616 B1 20110615**; DE 10312956 A1 20040930; DE 10312956 B4 20110811

DOCDB simple family (application)

EP 04002392 A 20040204; DE 10312956 A 20030322