

Title (en)
Sealing device in turbo machines

Title (de)
Vorrichtung zur Abdichtung in Turbomaschinen

Title (fr)
Dispositif d'étanchéité dans des turbomachines

Publication
EP 1350925 A3 20050309 (DE)

Application
EP 02020928 A 20020919

Priority
DE 10214624 A 20020402

Abstract (en)
[origin: EP1350925A2] The seal device has a heat-elastic inner ring (3) fitted to the blade foot (14) of a turbine blade (1) provided with a dovetail seal (4) cooperating with a labyrinth (5) of the rotor (17). The cooling flow through the turbine blade communicates with a flow channel provided by a bore (15) extending through the inner ring to the dovetail seal, leading to a further flow channel provided by a radial bore (7) or a diagonal bore.

IPC 1-7
F01D 11/00; F01D 25/12; F01D 11/02; F16J 15/447; F01D 11/06

IPC 8 full level
F01D 11/00 (2006.01); **F01D 11/02** (2006.01)

CPC (source: EP)
F01D 11/001 (2013.01); **F01D 11/025** (2013.01)

Citation (search report)
• [X] US 5749701 A 19980512 - CLARKE JONATHON P [US], et al
• [A] US 5217348 A 19930608 - RUP JR JOHN J [US], et al
• [A] EP 0974733 A2 20000126 - GEN ELECTRIC [US]
• [A] US 5273396 A 19931228 - ALBRECHT RICHARD W [US], et al

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DE202007004292U1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
EP 1350925 A2 20031008; **EP 1350925 A3 20050309**; **EP 1350925 B1 20060531**; AT E328191 T1 20060615; CA 2421600 A1 20031002;
CA 2421600 C 20080506; DE 50206992 D1 20060706

DOCDB simple family (application)
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