

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 B1 20060531 (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 8 full level
F01D 11/00 (2006.01); **F01D 11/02** (2006.01); **F01D 11/06** (2006.01); **F01D 25/12** (2006.01); **F16J 15/447** (2006.01)

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

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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

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