

Title (en)  
Sealing for transition between cooling passages of two turbomachine components

Title (de)  
Anordnung zur Abdichtung eines Übergangs zwischen Kühlpassagen zweier Komponenten einer Turbomaschine

Title (fr)  
Etanchéification pour la transition entre les passages de refroidissement de deux composants de turbomachine

Publication  
**EP 1580401 A3 20100707 (DE)**

Application  
**EP 05102044 A 20050315**

Priority  
DE 102004014118 A 20040323

Abstract (en)  
[origin: EP1580401A2] The two parts (1, 2) are designed so that when the turbine is in the idle state a gap (3) is present between the two passages (1a, 2a) and when the turbine is working this gap is sealed as a result of different thermal expansion of these parts. The first part is a heat shield comprising a material with a greater thermal expansion coefficient than the second part, which is a support structure for a gas turbine.

IPC 8 full level  
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Citation (search report)  
• [X] EP 1118806 A1 20010725 - SIEMENS AG [DE]  
• [XI] EP 1038091 B1 20030625 - PRATT & WHITNEY CANADA [CA]  
• [XI] EP 0860587 A2 19980826 - MITSUBISHI HEAVY IND LTD [JP]  
• [X] DE 19963371 A1 20010712 - ALSTOM POWER SCHWEIZ AG BADEN [CH]  
• [X] DE 2556519 A1 19760701 - GEN ELECTRIC  
• [A] US 3021110 A 19620213 - RANKIN ANDREW W, et al

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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CN 100491712 C 20090527; CN 1769652 A 20060510; DE 102004014118 A1 20051013

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