

Title (en)

Transition piece side sealing element and turbine assembly containing such seal

Title (de)

Seitliche Dichtung für ein Übergangstück und Turbinenanordnung mit einer derartigen Dichtung

Title (fr)

Garniture latérale d'étanchéité pour une pièce de transition et ensemble de turbine comportant une telle garniture d'étanchéité

Publication

EP 1291493 A2 20030312 (EN)

Application

EP 02255697 A 20020813

Priority

US 68233501 A 20010821

Abstract (en)

The gas-path leakage seal is provided for generally sealing a gas-path leakage-gap between spaced-apart first and second members of a turbine. The seal includes an elongated seal member (10) having an elongated, imperforate, and flexible first portion (16), and a rigid second portion (18) that defines a mounting bracket (22). The first portion has first and second surfaces (28) and raised longitudinal edges (32, 132) that extend a generally identical distance above the first surface and generally the aforesaid identical distance below the second surface. A cloth layer (40) having a thickness generally equal to or slightly greater than the aforesaid identical distance is superimposed on the second surface between the raised edges (32, 132).

IPC 1-7

F01D 11/00; **F16J 15/02**

IPC 8 full level

F01D 11/00 (2006.01); **F01D 25/00** (2006.01); **F02C 7/28** (2006.01); **F16J 15/06** (2006.01)

CPC (source: EP US)

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Cited by

FR2970503A1; EP1785592A3; EP3789638A1; FR3065986A1; CN102536338A; EP2660428A1; CN103375589A; US8821114B2; US11746667B2; US10760440B2; US10196913B1; WO2021043527A1; WO2011153393A3; WO2014025733A1

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