

Title (en)

Platform seal strip for a gas turbine

Title (de)

Dichtstreifen für Turbinenschaufelplattform

Title (fr)

Bande d'étanchéité pour plate-forme de turbine à gaz

Publication

**EP 2679770 A1 20140101 (EN)**

Application

**EP 12173650 A 20120626**

Priority

EP 12173650 A 20120626

Abstract (en)

A platform seal strip (1), in particular for use in a gas turbine blade assembly, is described. It comprises an upper side (36), a lower side (37), a first portion (31) and a second portion (32). The width (33) of the first portion (31) is smaller than the width (34) of the second portion (32). The first portion (31) and the second portion (32) are at least partially bent downwards such that the upper side (36) comprises a convex surface portion (41, 42) and the lower side (37) comprises a concave surface portion (43, 44).

IPC 8 full level

**F01D 5/08** (2006.01); **F01D 5/30** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

**F01D 5/082** (2013.01 - EP US); **F01D 11/006** (2013.01 - EP US); **F01D 5/3015** (2013.01 - EP US); **Y10T 29/49321** (2015.01 - EP US)

Citation (applicant)

- EP 2053285 A1 20090429 - SIEMENS AG [DE]
- EP 2053286 A1 20090429 - SIEMENS AG [DE]
- US 3918842 A 19751111 - LONGLEY PETER JOHN, et al
- US 6561764 B1 20030513 - TIEMANN PETER [DE]
- US 3834831 A 19740910 - MITCHELL E

Citation (search report)

- [XDAI] EP 2053286 A1 20090429 - SIEMENS AG [DE]
- [X] EP 0816638 A2 19980107 - UNITED TECHNOLOGIES CORP [US]
- [X] EP 1635037 A2 20060315 - UNITED TECHNOLOGIES CORP [US]
- [X] US 5281097 A 19940125 - WILSON PAUL S [US], et al
- [A] FR 2710103 A1 19950324 - SNECMA [FR]

Cited by

EP2886800A1; EP3101236A1; FR3092863A1; EP3839218A1; US10683756B2; US10196915B2; WO2017136625A1; US10851661B2

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