

Title (en)

A sideplate for turbine disk.

Title (de)

Seitenplatte für eine Turbinenscheibe.

Title (fr)

Plaque de couverture pour un disque de turbine.

Publication

EP 0222679 A1 19870520 (EN)

Application

EP 86630162 A 19861104

Priority

US 79480785 A 19851104

Abstract (en)

A sideplate for a turbine disk is secured to the disk by cooperating bayonet fastening means on the plate and disk, and the plate carries a seal adjacent to its inner periphery, and two pilot areas cooperating with the disk to maintain concentricity, an outer rim seal near the disk periphery, and the sideplate rests on the disk near the periphery to hold the blades in position and to direct the cooling air through the disk.

IPC 1-7

F01D 5/08; **F01D 5/30**

IPC 8 full level

F02C 7/18 (2006.01); **F01D 5/08** (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP)

F01D 5/082 (2013.01); **F01D 5/3015** (2013.01)

Citation (search report)

- [X] US 3010696 A 19611128 - BERNARD EVERETT ANTHONY
- [X] GB 2058945 A 19810415 - UNITED TECHNOLOGIES CORP
- [A] US 3295825 A 19670103 - HALL JR BEUFORD C
- [A] FR 2290570 A1 19760604 - ROLLS ROYCE [GB]
- [A] FR 2324873 A1 19770415 - SNECMA [FR]

Cited by

RU2614453C1; CN103930652A; EP0266297A3; EP3450691A1; FR2940351A1; RU2623622C1; FR2961249A1; EP1277917A1; EP0475813A1; FR2666623A1; EP2011969A1; US8662845B2; US10550702B2; US8840375B2; US10724374B2; US10472968B2; US10920591B2; US10544677B2; US10641110B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0222679 A1 19870520; **EP 0222679 B1 19890315**; DE 222679 T1 19871015; DE 3662420 D1 19890420; JP S62118033 A 19870529

DOCDB simple family (application)

EP 86630162 A 19861104; DE 3662420 T 19861104; DE 86630162 T 19861104; JP 26260686 A 19861104