

Title (en)

Cast shroud slots with pre-swirled leakage

Title (de)

Gegossene Ummantelungsschlitze mit Vorwirbelleck

Title (fr)

Encoches de protection brute de coulée avec fuite à contre-rotation

Publication

EP 2354464 B1 20200401 (EN)

Application

EP 11151690 A 20110121

Priority

US 69271810 A 20100125

Abstract (en)

[origin: EP2354464A2] A system (30') for forming a seal slot in a shroud assembly has a first element (32') having a longitudinally extending slot (36') and a second element (34') having a longitudinally extending slot (38') for receiving a portion of the first element (32'). The first element (32') has a pair of opposed surfaces and the second element (34') has a pair of opposed surfaces which are oriented at an angle to the surfaces of the first element (32'). The second element (32') may have a planar portion (134') and a curved portion (42') adjacent the planar portion (134') for forming a slot which allows a flow of fluid to exit the slot at a desired angle.

IPC 8 full level

F01D 11/00 (2006.01); **B22C 9/04** (2006.01); **F01D 5/22** (2006.01); **F01D 9/04** (2006.01)

CPC (source: EP US)

B22C 9/04 (2013.01 - EP US); **F01D 5/225** (2013.01 - EP US); **F01D 9/041** (2013.01 - EP US); **F01D 11/005** (2013.01 - EP US); **F05D 2230/21** (2013.01 - EP US); **F05D 2240/57** (2013.01 - EP US)

Citation (examination)

EP 1096108 A2 20010502 - GEN ELECTRIC [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2354464 A2 20110810; **EP 2354464 A3 20150114**; **EP 2354464 B1 20200401**; US 2011182726 A1 20110728

DOCDB simple family (application)

EP 11151690 A 20110121; US 69271810 A 20100125