

Title (en)

Abradable interior stator ferrule

Title (de)

Abriebdichtung eines Stator-Innenrings

Title (fr)

Abradable de virole intérieure de stator

Publication

EP 2458157 B1 20151014 (FR)

Application

EP 10193061 A 20101130

Priority

EP 10193061 A 20101130

Abstract (en)

[origin: EP2458157A1] The seal i.e. abradable pressure seal (7), has an abradable surface opposite to a rotor portion of turbomachine and another surface in contact with an inner ferrule of stator. A set of component units (10) is provided, where each component unit includes circumferential step (9) on the abradable surface to create an obstacle in the circumferential direction of the inner ferrule. Each component unit includes an axial step (8) on abradable surface to create an obstacle in the axial direction of the turbomachine, where the seal is made of silicone or epoxy.

IPC 8 full level

F01D 11/02 (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP US)

F01D 11/122 (2013.01 - EP US)

Citation (examination)

- EP 1302559 A1 20030416 - SNECMA MOTEURS [FR]
- US 4063742 A 19771220 - WATKINS JR SHELTON
- US 4477089 A 19841016 - HOFFMAN PAUL L [US], et al
- US 2963307 A 19601206 - MELVIN BOBO

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 2458157 A1 20120530; EP 2458157 B1 20151014; CA 2758830 A1 20120530; CA 2758830 C 20180213; CN 102536882 A 20120704; CN 102536882 B 20160518; RU 2011147534 A 20130527; RU 2581328 C2 20160420; US 2012134787 A1 20120531; US 8926271 B2 20150106

DOCDB simple family (application)

EP 10193061 A 20101130; CA 2758830 A 20111121; CN 201110383947 A 20111128; RU 2011147534 A 20111124; US 201113305407 A 20111128