

Title (en)
Gas turbine stage

Title (de)
Gasturbinenstufe

Title (fr)
Étage de turbine à gaz

Publication
EP 2696039 B1 20150729 (DE)

Application
EP 12179978 A 20120810

Priority
EP 12179978 A 20120810

Abstract (en)
[origin: EP2696039A1] The stage has a guide vane assembly comprising a guide vane with a radially inner guide vane root. A brush-type sealing ring element is supported on the guide vane root by a spoke-type centering. The centering comprises circumferential grooves (2.1, 2.2) for receiving an inner wall (1.2). The inner wall has a front surface (1.4) facing a groove inner surface of the circumferential grooves. An edge (1.5) is fixed adjacent to the inner surface. A rounded portion i.e. radius (R), is formed between the front surface and the edge. The inner wall is provided with a radial groove.

IPC 8 full level
F01D 11/00 (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)
F01D 11/001 (2013.01 - EP US); **F01D 11/005** (2013.01 - US); **F01D 25/243** (2013.01 - EP US); **F05D 2250/711** (2013.01 - EP US)

Cited by
DE102016222608A1; DE102016202519A1; EP3483399A1; DE102018213983A1; EP3324001A1; US10865651B2; EP3885536A1; US10677080B2; US11585242B2; EP3208426A1; US10895162B2; EP3613952A1; US11300004B2

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 2696039 A1 20140212; EP 2696039 B1 20150729; ES 2547340 T3 20151005; US 2014044537 A1 20140213

DOCDB simple family (application)
EP 12179978 A 20120810; ES 12179978 T 20120810; US 201313959021 A 20130805