

Title (en)

Seal design on a shroud of a turbine blade

Title (de)

Dichtstruktur an einem Deckband einer Turbinenlaufschaufel

Title (fr)

Forme du joint d'étanchéité sur la plateforme d'une aube de turbine

Publication

EP 2372093 B1 20131211 (DE)

Application

EP 11159847 A 20110325

Priority

CH 4762010 A 20100331

Abstract (en)

[origin: EP2372093A1] The sealing structure comprises a radial rotation axis, around which the turbine blade is arranged in a rotatable manner. The shrouding band locally projecting above rib traction-shaped sealing structure, which has a longitudinal extension (S) oriented in circumferential direction (U) of the turbine blade, narrows with increasing radial distance to the shrouding band and closes with a front surface (St) formed averted to the turbine blade. The front surface divides in connected surface sections in circumferential direction.

IPC 8 full level

F01D 5/20 (2006.01); **F01D 5/22** (2006.01); **F01D 5/26** (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP US)

F01D 5/20 (2013.01 - EP US); **F01D 5/225** (2013.01 - EP US); **F01D 5/26** (2013.01 - EP US); **F01D 11/125** (2013.01 - EP US); **F05D 2250/70** (2013.01 - EP US)

Cited by

FR3077093A1; DE102012220326A1; EP2604797A1; JP2021110291A; US9797264B2

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 2372093 A1 20111005; EP 2372093 B1 20131211; CH 702980 A1 20111014; US 2011243714 A1 20111006; US 9441489 B2 20160913

DOCDB simple family (application)

EP 11159847 A 20110325; CH 4762010 A 20100331; US 201113076653 A 20110331