

Title (en)

Tip shrouded blade and corresponding turbine system

Title (de)

Schaufel mit Deckband und zugehöriges Turbinensystem

Title (fr)

Aube ayant une extrémité carenée et système de turbine associé

Publication

EP 2628902 A3 20170510 (EN)

Application

EP 13155135 A 20130213

Priority

US 201213397296 A 20120215

Abstract (en)

[origin: EP2628902A2] A tip shrouded blade includes an airfoil (12) rotatable about an axial centerline (22). Also included is a tip shroud (16) connected at a radially outer tip (14) of the airfoil (12), wherein the tip shroud (16) includes at least one portion angled about a tangential axis (24) defined by the radially outer tip (14) of the airfoil (12). A corresponding turbine system is also provided.

IPC 8 full level

F01D 5/22 (2006.01); **F01D 5/20** (2006.01); **F01D 5/30** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

F01D 5/225 (2013.01 - EP US); **F05D 2250/314** (2013.01 - EP US)

Citation (search report)

- [XYI] US 2010061861 A1 20100311 - RIAZ MUHAMMAD SAQIB [US], et al
- [Y] US 5238366 A 19930824 - FERLEGER JUREK [US]
- [Y] US 7654797 B2 20100202 - BOEGLI ANDREAS [CH], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2628902 A2 20130821; **EP 2628902 A3 20170510**; CN 103256078 A 20130821; JP 2013167246 A 20130829; JP 6259189 B2 20180110; RU 2013106198 A 20140820; US 2013209258 A1 20130815

DOCDB simple family (application)

EP 13155135 A 20130213; CN 201310051108 A 20130216; JP 2013020009 A 20130205; RU 2013106198 A 20130214; US 201213397296 A 20120215