

Title (en)

Rotor blade with a rib assembly with an abrasive coating

Title (de)

Laufschaufel mit einer Rippenanordnung mit abrasiver Beschichtung

Title (fr)

Aube de rotor dotée d'un agencement de nervures avec revêtement abrasif

Publication

EP 2604797 B1 20200122 (DE)

Application

EP 11193177 A 20111213

Priority

EP 11193177 A 20111213

Abstract (en)

[origin: EP2604797A1] The rotating blade (5) has a radially outer rib arrangement with ribs (2) onto which a coating is arranged. The ribs are arranged behind one another in the axial direction, and the coating is arranged on each of two adjacent ribs. The rib arrangement is arranged on an oblique shroud (1) in the axial direction of the rotating blade. The coating is provided with an outer contour which is extended axially outwardly in the radial direction, in a meridian section. An independent claim is included for a method for coating rib of radially outer rib arrangement of rotating blade.

IPC 8 full level

F01D 5/20 (2006.01); **C23C 4/12** (2016.01); **F01D 5/22** (2006.01); **F01D 5/28** (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP US)

C23C 4/01 (2016.01 - EP US); **C23C 4/12** (2013.01 - EP US); **C23C 24/04** (2013.01 - EP US); **F01D 5/225** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F01D 11/08** (2013.01 - EP US); **F05D 2230/311** (2013.01 - EP US); **F05D 2230/312** (2013.01 - EP US); **F05D 2240/126** (2013.01 - EP US)

Cited by

EP3260664A1; DE102016211337A1; EP3324002A1; DE102016222720A1; EP3121307A1; DE102015213555A1

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 2604797 A1 20130619; EP 2604797 B1 20200122; ES 2773743 T3 20200714; US 2013149165 A1 20130613; US 9797264 B2 20171024

DOCDB simple family (application)

EP 11193177 A 20111213; ES 11193177 T 20111213; US 201213709322 A 20121210