

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 A1 20130619 (DE)

Application

EP 11193177 A 20111213

Priority

EP 11193177 A 20111213

Abstract (en)

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.

Abstract (de)

Die vorliegende Erfindung betrifft eine Laufschaufel (5), insbesondere für eine Verdichter- oder Turbinenstufe einer Gasturbine, mit einer radial äußeren Rippenanordnung mit wenigstens einer Rippe (2), auf der eine Beschichtung (3) angeordnet ist, wobei die Beschichtung (3) in einem Meridianschnitt eine Außenkontur (3.1) aufweist, welche sich in radialer Richtung nach außen axial erweitert.

IPC 8 full level

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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)

Citation (applicant)

EP 1550741 A1 20050706 - ISHIKAWAJIMA HARIMA HEAVY IND [JP], et al

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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