

Title (en)

Method to adjust a predetermined radial tip clearance of a turbomachine blade

Title (de)

Verfahren zur Einstellung eines vorbestimmten radialen Spaltmaßes von Laufschaufeln einer Strömungsmaschine

Title (fr)

Procédé pour régler un jeu prédéterminé à l'extrémité d'une aube d'une turbomachine

Publication

**EP 2730370 B1 20151014 (DE)**

Application

**EP 12192401 A 20121113**

Priority

EP 12192401 A 20121113

Abstract (en)

[origin: EP2730370A1] The method involves removing a housing part exposing rotor blades (11) to be machined. A grinding device (1) is arranged in a region of a rotor blade to be machined such that a tip of the blade is machined by using a grinding disk (2) of the device. The machining region is screened off by arranging a screening device to counter a release of grinding dust from the screened-off region. Suction extraction is provided such that the extraction extracts the dust from the screened-off region. The tip of the blade is grinded in-situ for producing predetermined radial gap width. An independent claim is also included for a grinding device.

IPC 8 full level

**B24B 19/14** (2006.01); **F01D 5/00** (2006.01); **F01D 5/20** (2006.01); **F01D 25/26** (2006.01)

CPC (source: CN EP KR US)

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Cited by

DE102016207141A1; WO2018073210A1; DE102019102480A1; EP2998061A1; DE102014215441A1; DE102015220883A1; EP3312387A1; CN109844266A; RU2726303C1; DE102019102480B4; US9970309B2; US10076816B2; WO2020156889A1; US10989061B2; EP2960009B1

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**EP 2730370 A1 20140514**; **EP 2730370 B1 20151014**; CN 103802005 A 20140521; CN 103802005 B 20180717; EP 2730371 A1 20140514; EP 2730371 B1 20160518; JP 2014098389 A 20140529; KR 102192838 B1 20201218; KR 20140061252 A 20140521; TW 201427795 A 20140716; TW I655994 B 20190411; US 2014134926 A1 20140515; US 9969055 B2 20180515

DOCDB simple family (application)

**EP 12192401 A 20121113**; CN 201310571643 A 20131113; EP 13003934 A 20121113; JP 2013233795 A 20131112; KR 20130135685 A 20131108; TW 102138581 A 20131025; US 201314073942 A 20131107