

Title (en)

METHOD OF POLISHING BLADED DISKS (BLISKS) FOR A TURBOMACHINE AND POLISHING DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM POLIEREN VON SCHAUFELRÄDERN FÜR TURBOMASCHINEN

Title (fr)

PROCÉDÉ DE POLISSAGE DE DISQUES MUNIS D'UN AUBAGE POUR TURBOMACHINE ET DISPOSITIF DE POLISSAGE

Publication

EP 2323807 B1 20140625 (FR)

Application

EP 09809337 A 20090826

Priority

- EP 2009061004 W 20090826
- FR 0855808 A 20080829

Abstract (en)

[origin: WO2010023226A1] Device for polishing centrifugal impellers (2) for a turbomachine compressor, comprising a tank (8) intended to be filled with a polishing agent, an impeller support (10) able to turn the impeller (2) about its axis and move it along its axis so that all points of the impeller (2) are moved in a helical path the pitch of which is similar to that of the helix from which the overall shape of the airstreams of the impeller, delimited by the impeller blades, is derived.

IPC 8 full level

F04D 29/02 (2006.01); **B24B 31/00** (2006.01); **F01D 5/00** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP US)

B24B 31/003 (2013.01 - EP US); **F01D 5/005** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP US); **F05D 2250/621** (2013.01 - EP US); **F05D 2300/516** (2013.01 - EP US)

Cited by

CN104385125A

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010023226 A1 20100304; BR PI0917688 A2 20151201; BR PI0917688 B1 20201110; CA 2734526 A1 20100304; CA 2734526 C 20160913; CN 102137736 A 20110727; CN 102137736 B 20140716; EP 2323807 A1 20110525; EP 2323807 B1 20140625; FR 2935280 A1 20100305; FR 2935280 B1 20111209; JP 2012500730 A 20120112; JP 5744734 B2 20150708; RU 2011111393 A 20121010; RU 2501641 C2 20131220; US 2011256809 A1 20111020; US 8657647 B2 20140225

DOCDB simple family (application)

EP 2009061004 W 20090826; BR PI0917688 A 20090826; CA 2734526 A 20090826; CN 200980133943 A 20090826; EP 09809337 A 20090826; FR 0855808 A 20080829; JP 2011524366 A 20090826; RU 2011111393 A 20090826; US 200913059315 A 20090826