

Title (en)

METHOD FOR CONNECTING AT LEAST ONE TURBINE BLADE TO A TURBINE DISK OR A TURBINE RING

Title (de)

VERFAHREN ZUM VERBINDEN WENIGSTENS EINER TURBINENSCHAUFEL MIT EINER TURBINENSCHIEBE ODER EINEM TURBINENRING

Title (fr)

PROCÉDÉ DESTINÉ À RELIER AU MOINS UNE AUBE DE TURBINE À UN DISQUE DE TURBINE OU UN ANNEAU DE TURBINE

Publication

**EP 2334467 A1 20110622 (DE)**

Application

**EP 09764703 A 20091016**

Priority

- DE 2009001438 W 20091016
- DE 102008052030 A 20081016

Abstract (en)

[origin: CA2740094A1] The invention relates to a method for connecting at least one turbine blade (10) to a turbine disk (18) or a turbine ring for a turbine stage of a turbomachine, particularly a thermal gas turbine, wherein first a connecting body (16) is produced on the at least one turbine blade (10) using a cold gas spraying method, and the connecting body (16) is subsequently connected to the turbine disk (18) or to the turbine ring using a fusion welding method. The invention further relates to a turbine stage for a turbine of a turbomachine and to a turbomachine having a turbine.

IPC 8 full level

**B23P 15/00** (2006.01); **B23K 13/01** (2006.01); **B23K 15/00** (2006.01); **B23K 26/20** (2006.01); **B23K 35/00** (2006.01); **C23C 24/04** (2006.01); **F01D 5/30** (2006.01); **F01D 5/34** (2006.01)

CPC (source: EP US)

**B23K 13/01** (2013.01 - EP US); **B23K 15/0053** (2013.01 - EP US); **B23K 15/0093** (2013.01 - EP US); **B23K 26/24** (2013.01 - EP US); **B23K 26/32** (2013.01 - EP US); **B23K 31/02** (2013.01 - EP US); **B23K 35/3033** (2013.01 - EP US); **B23K 35/3046** (2013.01 - EP US); **B23K 35/325** (2013.01 - EP US); **B23P 15/006** (2013.01 - EP US); **C23C 24/04** (2013.01 - EP US); **F01D 5/3061** (2013.01 - EP US); **B23K 2101/001** (2018.07 - EP US); **B23K 2103/08** (2018.07 - EP US); **B23K 2103/16** (2018.07 - EP US); **B23K 2103/26** (2018.07 - EP US); **B23K 2103/52** (2018.07 - EP US); **F05D 2230/233** (2013.01 - EP US); **F05D 2230/234** (2013.01 - EP US); **F05D 2230/30** (2013.01 - EP US); **Y10T 29/49321** (2015.01 - EP US)

Citation (search report)

See references of WO 2010043210A1

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102008052030 A1 20100422**; **DE 102008052030 B4 20110616**; CA 2740094 A1 20100422; EP 2334467 A1 20110622; US 2011217176 A1 20110908; WO 2010043210 A1 20100422; WO 2010043210 A8 20110512

DOCDB simple family (application)

**DE 102008052030 A 20081016**; CA 2740094 A 20091016; DE 2009001438 W 20091016; EP 09764703 A 20091016; US 200913122920 A 20091016