

Title (en)

METHOD FOR PRODUCING A GUIDE VANE AND GUIDE VANE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER LEITSCHAUFEL SOWIE LEITSCHAUFEL

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE AUBE DIRECTRICE AINSI QU'AUBE DIRECTRICE

Publication

EP 2877702 A1 20150603 (DE)

Application

EP 13739396 A 20130715

Priority

- DE 102012213017 A 20120725
- EP 2013064886 W 20130715

Abstract (en)

[origin: WO2014016149A1] A method for producing a turbine vane (130) with a vane airfoil (149) and a vane root (145) is intended to achieve a higher efficiency for a turbine. To this end, the method comprises the steps: a) production of a vane airfoil (149) and a vane root (145) as separate parts; b) introduction of a cooling air opening (151) into the vane airfoil (149); and c) joining the vane airfoil (149) and vane root (145) together after step b).

IPC 8 full level

F01D 5/14 (2006.01); **F01D 9/02** (2006.01)

CPC (source: EP US)

B23P 15/04 (2013.01 - US); **F01D 5/147** (2013.01 - EP US); **F01D 5/186** (2013.01 - EP US); **F01D 5/187** (2013.01 - US);
F01D 9/02 (2013.01 - EP US); **F01D 9/065** (2013.01 - EP US); **F05D 2220/30** (2013.01 - US); **F05D 2230/12** (2013.01 - US);
F05D 2230/13 (2013.01 - EP US); **F05D 2230/60** (2013.01 - US); **F05D 2230/90** (2013.01 - EP US); **F05D 2240/81** (2013.01 - EP US);
F05D 2250/232 (2013.01 - US); **F05D 2260/20** (2013.01 - US); **F05D 2260/202** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US);
Y10T 29/49337 (2015.01 - EP US)

Citation (search report)

See references of WO 2014016149A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014016149 A1 20140130; CN 104487657 A 20150401; DE 102012213017 A1 20140130; EP 2877702 A1 20150603;
IN 258DEN2015 A 20150612; JP 2015528876 A 20151001; RU 2015106136 A 20160920; US 2015198048 A1 20150716

DOCDB simple family (application)

EP 2013064886 W 20130715; CN 201380039681 A 20130715; DE 102012213017 A 20120725; EP 13739396 A 20130715;
IN 258DEN2015 A 20150112; JP 2015523487 A 20130715; RU 2015106136 A 20130715; US 201314415480 A 20130715