Title (en)

TURBINE ENGINE BLADE PREFORM

Title (de)

VORFORM FÜR EINE TURBINENMOTORSCHAUFEL

Title (fr)

PREFORME D'AUBE DE TURBOMACHINE

Publication

EP 3003600 B1 20170802 (FR)

Application

EP 14733252 A 20140604

Priority

- FR 1355177 A 20130605
- FR 2014051324 W 20140604

Abstract (en)

[origin: WO2014195634A1] The invention relates to a blade preform (46) including a strut connecting a platform (16) to a blade root portion (14) extending longitudinally in an upstream-downstream direction, an upstream web (26) and a downstream (28) web, which each extend in a direction substantially perpendicular to the longitudinal direction of the blade root and are formed at the upstream and downstream ends of the strut. The upstream (26) and downstream (28) webs connect the upstream and downstream ends of the platform (16) to the upstream and downstream ends of the blade root (14). According to the invention, the blade root (14) extends in a direction perpendicular to the longitudinal direction of the blade root over a distance smaller than that of the upstream and downstream webs (26, 28) and the side edges (40) of each web (26, 28) are extended by walls that converge (44) at the flanks of the blade root.

IPC 8 full level

B22C 9/06 (2006.01); **B22C 9/22** (2006.01); **F01D 5/12** (2006.01)

CPC (source: EP RU US)

B22C 9/06 (2013.01 - EP RU US); **B22C 9/10** (2013.01 - EP US); **B22C 9/22** (2013.01 - EP US); **B22D 25/02** (2013.01 - EP US); **F01D 5/141** (2013.01 - EP US); F05D 2230/21 (2013.01 - EP US); F05D 2230/61 (2013.01 - EP US)

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

DOCDB simple family (publication)

WO 2014195634 A1 20141211; BR 112015029844 A2 20170725; BR 112015029844 B1 20200114; CA 2912924 A1 20141211; CA 2912924 C 20210608; CN 105263650 A 20160120; CN 105263650 B 20170725; EP 3003600 A1 20160413; EP 3003600 B1 20170802; FR 3006616 A1 20141212; FR 3006616 B1 20160304; JP 2016526129 A 20160901; JP 6549103 B2 20190724; RU 2015149780 A 20170713; RU 2015149780 A3 20180328; RU 2660436 C2 20180706; US 2016129497 A1 20160512; US 9833834 B2 20171205

DOCDB simple family (application)

FR 2014051324 W 20140604; BR 112015029844 A 20140604; CA 2912924 A 20140604; CN 201480031543 A 20140604; EP 14733252 A 20140604; FR 1355177 A 20130605; JP 2016517659 A 20140604; RU 2015149780 A 20140604; US 201414895777 A 20140604