

Title (en)

BLADE COMPRISING PRE-WIRED SECTIONS

Title (de)

SCHAUFELBLATT MIT GEFÄDELTEN PROFILSCHNITTEN

Title (fr)

CORPS D'AUBE PRÉSENTANT DES SEGMENTS DE PROFIL SUCCESSIFS

Publication

**EP 2539544 A2 20130102 (DE)**

Application

**EP 11711017 A 20110129**

Priority

- DE 102010009615 A 20100227
- DE 2011000084 W 20110129

Abstract (en)

[origin: WO2011103849A2] The invention relates to a method for wiring sections ((i), (i+1)) of a blade (1) for a blade row of a turbomachine. According to said method, a first central component (formula (II)) of a second section ((i+1)) is selected according to at least one central component ((formula (IV)), xCG(i), rCG(i)) of a first section ((i)), especially according to formula (I) where: (i) is a variable of the first section; (i+1) is a variable of the second section; (formula (III)) is a central component of a section in the peripheral direction, preferably in the angular or radian measure; xCG is a central component of a section in the axial direction; rCG is a central component of a section in the radial direction;  $\beta$  is a graduated angle of a section; and (formula (V)) is a peripheral incline, preferably in the angular or radian measure.

IPC 8 full level

**F01D 5/14** (2006.01)

CPC (source: EP US)

**F01D 5/141** (2013.01 - EP US); **F05D 2200/26** (2013.01 - EP US); **Y10T 29/49337** (2015.01 - EP US)

Citation (search report)

See references of WO 2011103849A2

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)

**DE 102010009615 A1 20110901**; **DE 102010009615 B4 20161117**; EP 2539544 A2 20130102; US 2012315148 A1 20121213; US 9435207 B2 20160906; WO 2011103849 A2 20110901; WO 2011103849 A3 20111103

DOCDB simple family (application)

**DE 102010009615 A 20100227**; DE 2011000084 W 20110129; EP 11711017 A 20110129; US 201113581275 A 20110129