Title (en)

METHOD AND DEVICE FOR INSPECTING AN OBJECT FOR THE DETECTION OF SURFACE DAMAGE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR INSPEKTION EINES OBJEKTS ZUR ERFASSUNG VON OBERFLÄCHENSCHÄDEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CONTRÔLE D'UN OBJET POUR LA DÉTECTION DE DÉFAUTS DE SURFACE

Publication

EP 2633291 A1 20130904 (DE)

Application

EP 12701470 A 20120116

Priority

- DE 102011003209 A 20110126
- EP 2012050570 W 20120116

Abstract (en)

[origin: CA2825678A1] The present invention relates to a method and a device for inspecting an object (1) for the detection of defective surface regions of the object. By means of two-dimensional image data, potentially defective surface regions are located. There are measured surface profiles in at least one cross-sectional plane, which are compared with calculated surface profiles, the located surface region being assessed as actually defective if there is a significant difference. In particular, a coating of a turbine blade can be automatically inspected for TBC shrinkage.

IPC 8 full level

G01N 21/84 (2006.01); **G01N 21/95** (2006.01)

CPC (source: EP KR US)

G01N 21/8422 (2013.01 - EP KR US); **G01N 21/95** (2013.01 - US); **G01N 21/9515** (2013.01 - EP KR US); G01N 2021/8427 (2013.01 - EP KR US); G01N 2021/8887 (2013.01 - EP KR US)

Citation (search report)

See references of WO 2012100999A1

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 102011003209 A1 20120726; CA 2825678 A1 20120802; CN 103328957 A 20130925; EP 2633291 A1 20130904; JP 2014503826 A 20140213; KR 20130118379 A 20131029; KR 20150038693 A 20150408; US 2013297232 A1 20131107; WO 2012100999 A1 20120802

DOCDB simple family (application)

DE 102011003209 A 20110126; CA 2825678 A 20120116; CN 201280006630 A 20120116; EP 12701470 A 20120116; EP 2012050570 W 20120116; JP 2013550822 A 20120116; KR 20137022354 A 20120116; KR 20157006882 A 20120116; US 201213976210 A 20120116