

Title (en)

METHOD FOR MEASURING LAYER THICKNESS BY MEANS OF LASER TRIANGULATION, AND DEVICE

Title (de)

VERFAHREN ZUR SCHICHTDICKENMESSUNG MITTELS LASERTRIANGULATION UND VORRICHTUNG

Title (fr)

PROCÉDÉ POUR MESURER UNE ÉPAISSEUR DE COUCHE AU MOYEN D'UNE TRIANGULATION LASER ET DISPOSITIF

Publication

**EP 2491338 A1 20120829 (DE)**

Application

**EP 10728168 A 20100621**

Priority

- EP 09013170 A 20091019
- EP 2010058722 W 20100621
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Abstract (en)

[origin: EP2312267A1] The method involves measuring a component (1) e.g. turbine blades (120, 130) and heat shielding element (155), before and during or after coating by laser triangulation. Layer thickness of the component is calculated from different measurements. Laser triangulation measurement is performed after or during coating the component. Data obtained before and after coating is compared together by a computer. The layer thickness for a metallic layer and ceramic layer is produced and is determined by atmospheric plasma spraying (APS), vacuum plasma spraying (VPS) or chemical vapor deposition. An independent claim is also included for a device for performing a method for determining layer thickness of component to be coated.

IPC 8 full level

**G01B 11/06** (2006.01)

CPC (source: EP KR US)

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