

Title (en)

DEVICE AND METHOD FOR MEASURING LAYER THICKNESSES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM MESSEN VON SCHICHTDICKEN

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR MESURER DES ÉPAISSEURS DE COUCHES

Publication

**EP 2100093 A1 20090916 (DE)**

Application

**EP 07846280 A 20071030**

Priority

- DE 2007001945 W 20071030
- DE 102006052587 A 20061108

Abstract (en)

[origin: CA2669372A1] The invention relates to a device for measuring layer thicknesses, especially of a part (18) during or following a coating process. Said device comprises at least one first and a second distance measuring apparatus (12, 14). The first distance measuring apparatus (12) makes it possible to measure a first distance (a) to a surface (20) of a layer (22) that is to be applied to the part (18) while the second distance measuring apparatus (14) makes it possible to measure a second distance (b) to an uncoated surface (24) of the part (18), the measurements being taken continuously or at predefined points in time. According to the invention, the device (10) further comprises at least one third distance measuring apparatus (16) for measuring and monitoring the position of the first distance measuring apparatus (12) relative to the part (18), said third distance measuring apparatus (16) making it possible to measure a third distance (c) in a continuous manner or at predefined points in time in order to determine the position of the part (18). The invention also relates to a method for measuring layer thicknesses, particularly of a part (18) during or following a coating process.

IPC 8 full level

**G01B 21/08** (2006.01)

CPC (source: EP US)

**G01B 21/08** (2013.01 - EP US)

Citation (search report)

See references of WO 2008055473A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102006052587 A1 20080515**; CA 2669372 A1 20080515; EP 2100093 A1 20090916; US 2010077849 A1 20100401; US 8176777 B2 20120515; WO 2008055473 A1 20080515; WO 2008055473 A8 20080731

DOCDB simple family (application)

**DE 102006052587 A 20061108**; CA 2669372 A 20071030; DE 2007001945 W 20071030; EP 07846280 A 20071030; US 51358407 A 20071030