

Title (en)

METHOD FOR DETERMINING THE POLYESTER FRACTION OF A MULTI-COMPONENT POWDER DURING A THERMAL SPRAYING PROCESS, METHOD FOR COATING OR TOUCHING UP AN OBJECT BY MEANS OF A THERMAL SPRAYING PROCESS AND THERMAL SPRAYING DEVICE

Title (de)

VERFAHREN ZUM ERMITTELN DES ANTEILS AN POLYESTER IN EINEM MULTIKOMPONENTENPULVER BEI EINEM THERMISCHEN SPRITZEN, VERFAHREN ZUM BESCHICHTEN ODER AUSBESSERTEN EINES GEGENSTANDS MITTELS THERMISCHEN SPRITZENS UND VORRICHTUNG ZUM THERMISCHEN SPRITZEN

Title (fr)

PROCÉDÉ POUR DÉTERMINER LA TENEUR EN POLYESTER D'UNE POUDRE À COMPOSANTS MULTIPLES LORS D'UN PROCESSUS DE PROJECTION THERMIQUE, PROCÉDÉ POUR ENDUIRE OU RETOUCHER UN OBJET PAR PROJECTION THERMIQUE ET DISPOSITIF DE PROJECTION THERMIQUE

Publication

**EP 2089558 A2 20090819 (DE)**

Application

**EP 07817762 A 20071102**

Priority

- DE 2007001971 W 20071102
- DE 102006053793 A 20061115

Abstract (en)

[origin: CA2669227A1] The invention relates to a method for determining the polyester fraction in a multi-component powder during a thermal spraying process. According to the invention, the multi-component powder is heated and fed to an object with the aid of a carrier, forming a coating on said object and at least one measured value (10, 12) for the intensity of the light emitted by the combination of the carrier and multi-component material on the way to the object is detected at least in the range of a characteristic emission wavelength of polyester. A variable is then derived from all the measured values and the fraction of polyester to be determined is calculated on the basis of a previously defined relationship between the variable and the polyester fraction.</SD OAB>

IPC 8 full level

**C23C 4/04** (2006.01); **C23C 4/12** (2006.01)

CPC (source: EP US)

**C23C 4/04** (2013.01 - EP US); **C23C 4/12** (2013.01 - EP US); **G01N 21/00** (2013.01 - EP US); **G01N 21/71** (2013.01 - EP US); **G01N 21/73** (2013.01 - EP US); **G01N 2021/8416** (2013.01 - EP US)

Citation (search report)

See references of WO 2008058503A2

Citation (examination)

STANISLAW KUS ET AL: "Derivative UV-VIS Spectrophotometry in Analytical Chemistry", CHEM. ANAL. (WARSAW), vol. 41, 1 January 1996 (1996-01-01), pages 899 - 927, XP055340247

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 102006053793 A1 20080521**; CA 2669227 A1 20080522; EP 2089558 A2 20090819; US 2010166944 A1 20100701; WO 2008058503 A2 20080522; WO 2008058503 A3 20090709

DOCDB simple family (application)

**DE 102006053793 A 20061115**; CA 2669227 A 20071102; DE 2007001971 W 20071102; EP 07817762 A 20071102; US 51498907 A 20071102