

Title (en)

Method and device for automatically applying a spray coating

Title (de)

Verfahren und Vorrichtung zum automatisierten Aufbringen einer Spritzbeschichtung

Title (fr)

Procédé et dispositif d'application automatique d'un revêtement par pulvérisation

Publication

EP 2876183 A3 20150603 (DE)

Application

EP 14188316 A 20141009

Priority

DE 102013223688 A 20131120

Abstract (en)

[origin: US2015140199A1] A monitoring device (14) and a method for monitoring spray coating of a component by a spraying device (1) including a spray nozzle (3) movable along a specific path in relation to a component surface to be coated. The device has: an input interface (15) for inputting geometry data representative of the geometry of the component surface; a path data recording device (17) for time-resolved recording of path data of the spray nozzle (3) in relation to the component surface; a process data recording device (19) for time-resolved recording of process data of the coating process using the spray nozzle (3); a simulation unit (21) connected to the input interface (15) for receiving the data, for simulating application of the spray coating to the component surface on the basis of the data recorded; and a deviation calculation unit (23), connected to the simulation unit (21), for receiving simulation data and calculating a deviation of the simulated coating from the desired coating.

IPC 8 full level

B05B 12/00 (2018.01); **B05D 1/02** (2006.01); **C23C 4/12** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)

B05B 12/00 (2013.01 - EP US); **B05D 1/02** (2013.01 - EP US); **C23C 4/12** (2013.01 - EP US); **B05B 13/0431** (2013.01 - EP US)

Citation (search report)

- [XA] EP 1864719 A1 20071212 - GEN ELECTRIC [US]
- [XA] EP 2468463 A2 20120627 - SIEMENS AG [DE]
- [A] DE 102007010049 B4 20110113 - MTU AERO ENGINES GMBH [DE]
- [A] DE 102004010782 A1 20050922 - MTU AERO ENGINES GMBH [DE]

Cited by

US10975463B2; WO2016055325A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2876183 A2 20150527; **EP 2876183 A3 20150603**; **EP 2876183 B1 20190417**; DE 102013223688 A1 20150521;
US 2015140199 A1 20150521

DOCDB simple family (application)

EP 14188316 A 20141009; DE 102013223688 A 20131120; US 201414548738 A 20141120