

Title (en)

APPLICATION DEVICE, COATING SYSTEM AND METHOD FOR COATING OBJECTS

Title (de)

APPLIKATIONSVORRICHTUNG, BESCHICHTUNGSANLAGE UND VERFAHREN ZUM BESCHICHTEN VON GEGENSTÄNDEN

Title (fr)

DISPOSITIF D'APPLICATION, INSTALLATION DE REVÊTEMENT, ET PROCÉDÉ DE REVÊTEMENT D'OBJETS

Publication

EP 3294464 A1 20180321 (DE)

Application

EP 16725029 A 20160504

Priority

- DE 102015006161 A 20150513
- EP 2016000728 W 20160504

Abstract (en)

[origin: WO2016180521A1] The present invention relates to an application device comprising an application unit (24) for coating objects (12), wherein the application unit (24) has one or more rotatable components, and wherein at least one measurement device (40, 42, 50, 52) is provided, which is designed to detect vibrations of the application unit (24). The invention also relates to a corresponding coating system (2) comprising one or more application devices for coating objects (12), and to a method for coating objects (12) by means of an application unit (24), wherein vibrations of the application unit (24) are detected by means of at least one measurement device (40, 42, 50, 52). According to the invention, a fault present on the application unit (24), for example a detached bell cup or a turbine defect, can be detected in a particularly reliable manner and within a relatively short time.

IPC 8 full level

B05B 13/04 (2006.01)

CPC (source: EP US)

B05B 1/00 (2013.01 - US); **B05B 1/002** (2018.07 - EP US); **B05B 3/1014** (2013.01 - EP US); **B05B 12/08** (2013.01 - EP US); **B05B 12/085** (2013.01 - US); **B05B 13/0431** (2013.01 - EP US); **B05B 13/0452** (2013.01 - EP US); **B05B 1/005** (2013.01 - US); **B05B 5/0407** (2013.01 - EP US)

Citation (search report)

See references of WO 2016180521A1

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)

WO 2016180521 A1 20161117; CN 107580527 A 20180112; DE 102015006161 A1 20161117; EP 3294464 A1 20180321; JP 2018514378 A 20180607; US 2018141070 A1 20180524

DOCDB simple family (application)

EP 2016000728 W 20160504; CN 201680027368 A 20160504; DE 102015006161 A 20150513; EP 16725029 A 20160504; JP 2017559073 A 20160504; US 201615573514 A 20160504