

Title (en)

A METHOD FOR PRODUCING A REFLECTIVE PHOTOLUMINESCENT COATING, AND THE REFLECTIVE PHOTOLUMINESCENT POWDER PAINT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER REFLEKTIERENDEN PHOTOLUMINESZENTEN BESCHICHTUNG UND REFLEKTIERENDER PHOTOLUMINESZENTER PULVERLACK

Title (fr)

PROCÉDÉ DE FABRICATION D'UN REVÊTEMENT PHOTOLUMINESCENT RÉFLÉCHISSANT, ET PEINTURE EN POUDRE PHOTOLUMINESCENTE RÉFLÉCHISSANTE

Publication

EP 3371259 A1 20180912 (EN)

Application

EP 16739281 A 20160610

Priority

- PL 41273215 A 20150616
- PL 2016000062 W 20160610

Abstract (en)

[origin: WO2016204636A1] A method for producing a reflective photoluminescent coating using a reflective photoluminescent powder paint made from polyester, polyurethane, epoxy or mixed resin, an adhesion promoter, additives, phosphor, reflective glass beads and an additional phosphor that gives color to the coating, comprises the stages of electrostatic spraying the dry powder paint to a substrate and annealing at a predetermined temperature. The coating in daylight has a color of the pigment added, while at night gives off the color of phosphorescent phosphor. Reflective glass beads increase the reflectivity of the coating, allowing to obtain additional reflective-luminescent effect. Electrostatic increasing of the phosphor particles density near the substrate allows a significant increase in the value of re-emission, and thereby increases the luminance of light-emitting surface.

IPC 8 full level

C09D 5/03 (2006.01); **C09D 5/22** (2006.01); **C09D 5/33** (2006.01); **C09K 11/02** (2006.01)

CPC (source: EP US)

C09D 5/004 (2013.01 - EP); **C09D 5/031** (2013.01 - EP); **C09D 5/032** (2013.01 - EP); **C09D 5/033** (2013.01 - EP); **C09D 5/22** (2013.01 - EP); **C09K 11/02** (2013.01 - EP); **C09K 11/7792** (2013.01 - EP US)

Citation (search report)

See references of WO 2016204636A1

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 2016204636 A1 20161222; EP 3371259 A1 20180912; PL 412732 A1 20161219

DOCDB simple family (application)

PL 2016000062 W 20160610; EP 16739281 A 20160610; PL 41273215 A 20150616