

Title (en)

INSTALLATION FOR COATING ITEMS AND CURING THE COATING WITH ELECTROMAGNETIC RADIATION

Title (de)

ANLAGE ZUM BESCHICHTEN VON GEGENSTÄNDEN UND AUSHÄRTEN DER BESCHICHTUNG MIT ELEKTROMAGNETISCHER STRAHLUNG

Title (fr)

INSTALLATION POUR APPLIQUER UN REVETEMENT SUR DES OBJETS ET POUR DURCIR LE REVETEMENT AU MOYEN D'UN RAYONNEMENT ELECTROMAGNETIQUE

Publication

**EP 2550497 B1 20170705 (DE)**

Application

**EP 11706484 A 20110224**

Priority

- DE 102010012534 A 20100323
- EP 2011000896 W 20110224

Abstract (en)

[origin: WO2011116861A1] An installation (12) for coating items, in particular vehicle bodies (14), and curing the coating with electromagnetic radiation, comprises an application cubicle (16), which predefines an application chamber (20), arranged in which is an application device (38), by means of which the item (14) can be coated with a material which can be cured by electromagnetic radiation. A drying cubicle (56) comprises a radiation device (92) and predefines a drying chamber (72), to which inert gas can be fed by means of an inert gas device (86, 87, 87a). The item (14) can be conveyed through the application chamber (20) and the drying chamber (72) by means of a conveying system (32). The application chamber (20) is arranged at a first height level and the drying chamber (72) is arranged at a second height level, which is different from the first height level. The conveying system (32) comprises a lifting/lowering device (34, 36, 40), by which the item (14) can be conveyed with a vertical movement component out of the application chamber (20) into the drying chamber (72).

IPC 8 full level

**F26B 3/28** (2006.01); **B05B 16/00** (2018.01); **F26B 15/10** (2006.01)

CPC (source: EP)

**B05B 13/0452** (2013.01); **B05B 16/00** (2018.01); **B05C 3/10** (2013.01); **B05D 3/0486** (2013.01); **B05D 3/065** (2013.01); **B05D 7/14** (2013.01); **F26B 3/28** (2013.01); **F26B 15/10** (2013.01); **B05D 3/0466** (2013.01); **F26B 2210/12** (2013.01)

Cited by

DE102019004484A1; EP3757495A1

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

DOCDB simple family (publication)

**DE 102010012534 A1 20110929**; **DE 102010012534 B4 20141002**; EP 2550497 A1 20130130; EP 2550497 B1 20170705; PL 2550497 T3 20171229; WO 2011116861 A1 20110929

DOCDB simple family (application)

**DE 102010012534 A 20100323**; EP 11706484 A 20110224; EP 2011000896 W 20110224; PL 11706484 T 20110224