Title (en)

ELECTROSTATIC-PAINTING SYSTEM FOR METALLIC MANUFACTURED ARTICLES AND ASSOCIATED METHOD

Title (de)

ELEKTROSTATISCHES LACKIERSYSTEM FÜR METALLISCHE FERTIGARTIKEL UND ZUGEORDNETES VERFAHREN

Title (fr)

SYSTEME DE PEINTURE ELECTROSTATIQUE POUR ARTICLES MANUFACTURES METALLIQUES ET PROCEDE ASSOCIE

Publication

EP 1624970 B1 20070627 (EN)

Application

EP 04739143 A 20040506

Priority

- EP 2004004828 W 20040506
- IT MI20031007 A 20030520

Abstract (en)

[origin: WO2004103573A1] A system for electrostatic painting of metallic manufactured articles comprises a conveyor system for a plurality of hangers (18) designed to carry the metallic manufactured articles (19) and a painting device (16) for the manufactured articles (19) and an oven (15) traversed by said conveyor system. The conveyor system comprises a first conveyor (11) for accumulation outside of the oven (15) for loading of the hangers (18), a second conveyor (13) for accumulation outside of the oven (15) for unloading of the hangers (18), a third conveyor (12) for accumulation inside the oven (15), and a fourth conveyor (14) connecting the first three conveyors (11, 12, 13) for transfer of the hangers (18) among them. A method for electrostatic painting of metallic manufactured articles making use of the above mentioned system.

IPC 8 full level

B05B 13/02 (2006.01); **B05B 15/12** (2006.01); **B05B 16/20** (2018.01); **B05B 16/80** (2018.01); B05B 5/00 (2006.01); B05B 12/14 (2006.01); B05C 9/14 (2006.01)

CPC (source: EP)

B05B 13/0264 (2013.01); **B05B 16/20** (2018.02); **B05B 16/80** (2018.02); B05B 5/00 (2013.01); B05B 12/14 (2013.01); B05B 14/48 (2018.02); B05C 9/14 (2013.01)

Cited by

CN110743734A; CN112495667A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004103573 A1 20041202; AT 365589 T 20070715; DE 602004007260 D1 20070809; EP 1624970 A1 20060215; EP 1624970 B1 20070627; ES 2288684 T3 20080116; IT MI20031007 A1 20041121

DOCDB simple family (application)

EP 2004004828 W 20040506; AT 04739143 T 20040506; DE 602004007260 T 20040506; EP 04739143 A 20040506; ES 04739143 T 20040506; IT MI20031007 A 20030520