

Title (en)

PROCESS FOR COATING A BOARD- OR PAPER-LIKE SUBSTRATE WITH A POWDER PAINT COMPOSITION

Title (de)

VERFAHREN ZUR BESCHICHTUNG VON EINEM KARTON- ODER PAPIERÄHNLICHEN SUBSTRAT MITTELS EINER PULVERLACKZUSAMMENSETZUNG

Title (fr)

PROCEDE D'ENDUCTION D'UN SUBSTRAT DE TYPE CARTON OU PAPIER AU MOYEN D'UNE COMPOSITION DE PEINTURE EN POUDRE

Publication

EP 0895552 A1 19990210 (EN)

Application

EP 97907487 A 19970324

Priority

- EP 97907487 A 19970324
- EP 96200819 A 19960326
- NL 9700149 W 19970324

Abstract (en)

[origin: WO9736049A1] The invention relates to a process for coating a board- or paper-like substrate with a powder paint composition. The powder paint particles are first charged by friction or induction in the presence of magnetic or non-magnetic particles, are next transported and are then applied to the substrate or applied to a transfer medium and subsequently transferred to the substrate, by means of an electric field between the substrate respectively the transfer medium and the means of transport whereafter the powder paint composition is cured or fused to obtain a powder coating and wherein the powder paint particles are based on solid particles of a radiation curable binder. Preferably, the substrate is paper or cardboard.

IPC 1-7

D21H 19/00; **D21H 23/50**; **B05D 1/00**; **B05D 7/06**

IPC 8 full level

B05D 1/00 (2006.01); **B05D 7/00** (2006.01); **B05D 7/06** (2006.01); **C09D 5/03** (2006.01); **C09D 5/46** (2006.01); **D21H 19/00** (2006.01); **D21H 19/06** (2006.01); **D21H 23/50** (2006.01); **G03C 1/08** (2006.01); **G03C 1/775** (2006.01); **G03G 7/00** (2006.01); **G03G 15/09** (2006.01)

CPC (source: EP)

B05D 1/007 (2013.01); **B05D 7/06** (2013.01); **D21H 19/00** (2013.01); **D21H 23/50** (2013.01); **B05D 2401/32** (2013.01)

Citation (search report)

See references of WO 9736049A1

Cited by

WO2018167015A1; WO2018167004A1; WO2018167009A1; EP3376298A1; EP3376299A1; EP3376292A1; WO2018167000A1; WO2018167007A1; WO2018166998A1; WO2018167020A1; WO2018167012A1; US10894892B2; US10894893B2; US10894891B2; US11499061B2; US11787960B2

Designated contracting state (EPC)

BE CH DE ES FR GB GR IE IT LI LU NL SE

DOCDB simple family (publication)

WO 9736049 A1 19971002; AU 1947897 A 19971017; DE 69704860 D1 20010621; DE 69704860 T2 20020328; EP 0895552 A1 19990210; EP 0895552 B1 20010516; ES 2159390 T3 20011001; JP 2000508007 A 20000627; TW 354269 B 19990311

DOCDB simple family (application)

NL 9700149 W 19970324; AU 1947897 A 19970324; DE 69704860 T 19970324; EP 97907487 A 19970324; ES 97907487 T 19970324; JP 53427897 A 19970324; TW 86103690 A 19970324