

Title (en)

Decoration system for powder-on-powder technology

Title (de)

Dekorationssystem für Pulver-auf-Pulver-Technik

Title (fr)

Système de décoration pour technologie poudre sur poudre

Publication

EP 2181776 A3 20100623 (EN)

Application

EP 09172186 A 20091005

Priority

IT MI20081943 A 20081104

Abstract (en)

[origin: EP2181776A2] A decoration system for powder-on-powder technology comprising a handling device 1 of bars or extruded profiles 4, comprising a frame 10 with which the bars are coupled mutually parallel and rotatably with respect to the frame, so as to be made to rotate about a principal axis thereof aligned with an overhead travelling crane 6, which conveys, transverse to the feed direction of the frame 10 imparted by the handling device, a decoration device 51 comprising a perforated roll 52 adapted to rotate about a principal axis thereof while it advances conveyed by the overhead travelling crane 2 and adapted to coat said bars or extruded profiles 4 with powder paints, generally heat-setting, said profiles and said powders being electrostatically charged with opposite polarities so that the powders remain adhering to the bars even when they rotate about said principal axis thereof.

IPC 8 full level

B05B 5/057 (2006.01); **B05C 19/04** (2006.01); **B05D 5/06** (2006.01); **B41F 15/08** (2006.01)

CPC (source: EP)

B05C 19/04 (2013.01); **B41F 15/0881** (2013.01); **B05B 5/057** (2013.01); **B05D 1/06** (2013.01); **B05D 1/28** (2013.01); **B05D 3/14** (2013.01); **B05D 7/52** (2013.01); **B05D 2451/00** (2013.01)

Citation (search report)

- [X] WO 2007009489 A1 20070125 - TREVISAN COMETAL S P A [IT], et al
- [A] EP 1208953 A2 20020529 - TECNO EUROPA SRL [IT]
- [A] FR 2281844 A1 19760312 - ZIMMER JOHANNES [AT]
- [A] GB 693619 A 19530701 - TOOTLE BROADHURST LEE COMPANY
- [A] US 3081698 A 19630319 - CHILDRESS CLYDE O, et al

Cited by

CN112937102A

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2181776 A2 20100505; **EP 2181776 A3 20100623**; IT MI20081943 A1 20100505

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