

Title (en)

Method and paint supply system for an electrostatic coating station and coupling system therefore

Title (de)

Verfahren zur Farbversorgung einer elektrostatischen Beschichtungsvorrichtung und Kupplungseinrichtung hierfür

Title (fr)

Méthode et système d'alimentation de peinture pour une installation de revêtement électrostatique et système de liaison pour cela

Publication

EP 1502656 A3 20081119 (DE)

Application

EP 04017646 A 20040726

Priority

DE 10334413 A 20030728

Abstract (en)

[origin: EP1502656A2] The method for the supply of colour to an electrostatic coating device (3) involves coating material flowing from a container (12A,12B) in a potential isolating unit (1) connected to a colour supply unit (10) lying on an earth potential to the coating device via a connecting line arrangement (2). The container is connected directly to the colour supply valve (10A,10B) of the colour in use. The container is movable back and forth by an automatic drive unit between the colour supply valves and a colour extraction valve (14A,14B) to which is connected the connecting line (2A,2B) leading to the coating device. Independent claims are also included for the following: (a) a unit for the supply of colour to an electrostatic coating device; and (b) a connecting device for the aforesaid colour supply unit.

IPC 8 full level

B05B 5/16 (2006.01); **B05B 7/04** (2006.01); **B05B 7/26** (2006.01); **B05B 12/14** (2006.01)

IPC 8 main group level

B05B 12/00 (2018.01)

CPC (source: EP)

B05B 7/0458 (2013.01); **B05B 7/262** (2013.01); **B05B 12/149** (2013.01)

Citation (search report)

- [AP] EP 1369183 A2 20031210 - DUERR SYSTEMS GMBH [DE]
- [A] US 2002064601 A1 20020530 - OTT WINFRIED [DE]
- [A] EP 1108475 A2 20010620 - DUERR SYSTEMS GMBH [DE]
- [A] EP 1108474 A2 20010620 - INLAC IND LACKIERANLAGEN GMBH [DE]
- [A] US 3674207 A 19720704 - CARBONETTI EMIDIO J JR, et al

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EP2810719B1

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

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1502656 A2 20050202; **EP 1502656 A3 20081119**; **EP 1502656 B1 20100908**; AT E480336 T1 20100915; DE 502004011630 D1 20101021; ES 2352141 T3 20110216; PL 1502656 T3 20110331; SI 1502656 T1 20110131

DOCDB simple family (application)

EP 04017646 A 20040726; AT 04017646 T 20040726; DE 502004011630 T 20040726; ES 04017646 T 20040726; PL 04017646 T 20040726; SI 200431549 T 20040726