

Title (en)
ELECTRODEPOSITION PAINTING METHOD AND THROUGHFLOW SYSTEM FOR CARRYING OUT SAID METHOD

Title (de)
ELEKTROTAUHLACKIERVERFAHREN UND DURCHLAUFANLAGE ZU SEINER DURCHFÜHRUNG

Title (fr)
PROCEDE DE PEINTURE ELECTROPHORETIQUE PAR IMMERSION ET DISPOSITIF DE PASSAGE DESTINE A LA MISE EN OEUVRE DE CE PROCEDE

Publication
EP 1617953 A1 20060125 (DE)

Application
EP 04739100 A 20040423

Priority
• EP 2004004319 W 20040423
• DE 10318933 A 20030426

Abstract (en)
[origin: WO2004096448A1] A method for the electrodeposition painting of substrates (2) in a throughflow system (1) according to figure (1), comprising an electrodeposition paint basin (1.1) and overflow basin (1.2), circulating pumps (1.3) and (1.5), flow pipes (1.8), a directed basin flow (1.9) flowing in the region of the basin bottom (1.6) in the transport device and counter to the direction of transport of the substrates (2) in the region of the surface of the bath (1.10), in addition to a conveyor device (1.11) provided with devices for transporting, rotating, immersing and removing the substrates (2), wherein the substrates (2) are disposed in the form of a cathode or anode and are supplied to the immersion area (1.12) of the electrodeposition paint bath (1.11) via the overflow basin (1.2) with the aid of the conveyor device (1.11), whereupon they are rotated at an angle of > 100 DEG in relation to the original position thereof during immersion in the electrodeposition paint basin (1.1), whereupon they are transported through the electrodeposition paint basin (1.1) and are coated, whereupon they are rotated back into the original position when they are removed therefrom and are subsequently subjected to further machining.

IPC 1-7
B05C 3/10; **B65G 49/02**; **C25D 13/22**

IPC 8 full level
B05C 3/10 (2006.01); **C25D 13/22** (2006.01)

CPC (source: EP US)
B05C 3/10 (2013.01 - EP US); **C25D 13/22** (2013.01 - EP US); **B65G 2201/0294** (2013.01 - EP US)

Citation (search report)
See references of WO 2004096448A1

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 2004096448 A1 20041111; BR PI0409779 A 20060530; CA 2523210 A1 20041111; DE 10318933 A1 20041118; EP 1617953 A1 20060125; MX PA05009909 A 20051104; US 2006226011 A1 20061012

DOCDB simple family (application)
EP 2004004319 W 20040423; BR PI0409779 A 20040423; CA 2523210 A 20040423; DE 10318933 A 20030426; EP 04739100 A 20040423; MX PA05009909 A 20040423; US 55249805 A 20051007