

Title (en)

METHOD FOR THE ELECTROPHORETIC COATING OF WORKPIECES AND COATING INSTALLATION

Title (de)

VERFAHREN ZUR ELEKTROPHORETISCHEN BESCHICHTUNG VON WERKSTÜCKEN UND BESCHICHTUNGSANLAGE

Title (fr)

PROCÉDÉ DE REVÊTEMENT ÉLECTROPHORÉTIQUE DE PIÈCES À USINER ET INSTALLATION DE REVÊTEMENT

Publication

**EP 2064372 B1 20181205 (DE)**

Application

**EP 07786409 A 20070728**

Priority

- EP 2007006699 W 20070728
- DE 102006044050 A 20060920

Abstract (en)

[origin: WO2008034484A2] A method for the electrophoretic coating of workpieces with a coating medium, in particular lacquer, and a coating installation (10) are described. In the method, at least one workpiece is immersed in the coating medium. With a voltage source (20, 24a, 24b, 24c, 24d), a d.c. voltage is applied between the workpiece and at least one electrode (18) immersed in the coating medium. The d.c. voltage is increased continuously, in an essentially stepless manner, throughout virtually the entire coating operation in such a way that the coating current density on the surface of the workpiece remains essentially constant over time.

IPC 8 full level

**C25D 5/18** (2006.01); **C25D 13/18** (2006.01); **C25D 13/22** (2006.01); **C25D 15/00** (2006.01)

CPC (source: EP US)

**C25D 13/18** (2013.01 - EP US); **C25D 13/22** (2013.01 - EP US)

Citation (opposition)

Opponent : Dürr Systems AG

- US 3855106 A 19741217 - CAMPBELL G, et al
- EP 0255268 B1 19910410
- JP H01246397 A 19891002 - TRINITY IND CORP
- DE 1577934 A1 19700305 - SIEMENS AG
- JP 2002030486 A 20020131 - PORITEKKUSU KK
- GB 1081767 A 19670831 - BLUNDELL PERMOGLAZE LTD
- WO 2005073436 A1 20050811 - EISENMANN KG MASCHBAU [DE], et al
- DE 10325656 B3 20040715 - EISENMANN KG MASCHBAU [DE]
- JP H03274300 A 19911205 - HONDA MOTOR CO LTD
- JP 2005002397 A 20050106 - CANON KK
- EP 0854207 A1 19980722 - NIPPON PAINT CO LTD [JP]
- JP 2003277991 A 20031002 - KANSAI PAINT CO LTD
- DE 1652430 A1 19710318 - SIEMENS AG

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DE FR HU SE

DOCDB simple family (publication)

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