

Title (en)

Process and device for controlling the emission current in a powder coating installation

Title (de)

Verfahren und Vorrichtung zur Überwachung des Sprühstromes in einer Pulverbeschichtungsanlage

Title (fr)

Procédé et dispositif pour contrôler le courant d'émission dans une installation de revêtement par poudrage

Publication

**EP 0559608 B1 19951227 (DE)**

Application

**EP 93810109 A 19930219**

Priority

CH 73192 A 19920306

Abstract (en)

[origin: EP0559608A2] In order to monitor the corona discharge current in powder coating installations, the current flowing (I) from the workpiece (3) is measured. Variations of the current intensity (I) are proportional to the variation of the corona discharge current at the electrode (9) in the corona zone (5). The variations can be caused by fouling of the electrode (9), a drop in the voltage at the electrode (9) or in the contact earthing of the workpiece (3). <IMAGE>

IPC 1-7

**C23C 24/00**; **B05D 1/06**

IPC 8 full level

**B05B 5/10** (2006.01); **B05D 1/06** (2006.01); **C23C 4/12** (2016.01); **C23C 24/00** (2006.01)

CPC (source: EP)

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Cited by

CN102527538A; EP1112801A3; CN106965188A; DE19926926A1; WO2007006752A1; US8747638B2; EP1060795A2; US6537378B1; US6656536B2

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