

Title (en)

Method for electrostatic powder coating for coating an object with powdery or granular particles and device for implementing this method.

Title (de)

Verfahren zur elektrostatischen Pulverbeschichtung eines Gegenstandes mit pulverförmigen oder körnigen Partikeln und Vorrichtung zur Durchführung dieses Verfahrens.

Title (fr)

Procédé de poudrage électrostatique en vue de revêtir un objet de particules pulvérulentes ou granuleuses, et dispositif pour la mise en oeuvre de ce procédé.

Publication

EP 0403002 B1 19940112 (FR)

Application

EP 90201486 A 19900609

Priority

FR 8908160 A 19890616

Abstract (en)

[origin: EP0403002A1] The invention relates to the powder coating of an object having plane surface portions and non-plane surface portions. The method consists in disposing a layer of particles over an insulating support (2) placed opposite the object, in fluidising this layer of particles and in creating an electrostatic field between the support (2) and the object. It is characterised in that the particles are subjected to the action of an electrostatic field generating lines of force for entraining the said particles, which are adapted in order to direct them towards the plane surfaces of the object, and in that the trajectory of the particles is modified by means of at least one fluid jet oriented so as to direct the said particles towards the non-plane surfaces of the object. <IMAGE>

IPC 1-7

B05C 19/02; **B05D 1/24**

IPC 8 full level

B05C 19/02 (2006.01); **B05D 1/24** (2006.01)

CPC (source: EP)

B05C 19/025 (2013.01); **B05D 1/24** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0403002 A1 19901219; **EP 0403002 B1 19940112**; AT E99996 T1 19940115; DE 69005911 D1 19940224; FR 2648369 A1 19901221; FR 2648369 B1 19930611

DOCDB simple family (application)

EP 90201486 A 19900609; AT 90201486 T 19900609; DE 69005911 T 19900609; FR 8908160 A 19890616