

Title (en)
DEVICE FOR ELECTROSTATICALLY PROJECTING A COATING MATERIAL AND A METHOD FOR CONTROLLING POWER SUPPLY TO VOLTAGE INCREASERS OF SAID DEVICE

Title (de)
VORRICHTUNG ZUM ELEKTROSTATISCHEN AUFBRINGEN EINES BESCHICHTUNGSMATERIALS UND VERFAHREN ZUR STEUERUNG DER STROMVERSORGUNG DES SPANNUNGSERHÖHERS DIESER VORRICHTUNG

Title (fr)
INSTALLATION DE PROJECTION ELECTROSTATIQUE DE PRODUIT DE REVETEMENT ET PROCEDE DE COMMANDE DE L'ALIMENTATION EN COURANT DE MOYENS ELEVATEURS DE TENSION DANS UNE TELLE INSTALLATION

Publication
EP 1866098 A1 20071219 (FR)

Application
EP 06743631 A 20060331

Priority
• FR 2006000717 W 20060331
• FR 0503295 A 20050404

Abstract (en)
[origin: FR2883775A1] The installation has a hand sprayer or spray gun (2) including a high voltage cascade (101) for generating a high voltage direct current for an electrostatic charge of a coating material. A valve (113) of the spray gun controls a flow of atomization air inside the spray gun in the direction of a spray head (24). A pressure sensor (200) detects a value representing the atomization air pressure downstream of the valve and delivers a signal for controlling a power supply to the cascade. An independent claim is also included for a method of controlling a power supply to a high voltage unit that is utilized for an electrostatic sprayer of a coating product and generates a high voltage direct current for the electrostatic charge of the product.

IPC 8 full level
B05B 5/053 (2006.01); **B05B 5/03** (2006.01)

CPC (source: EP US)
B05B 5/03 (2013.01 - EP US); **B05B 5/053** (2013.01 - EP US)

Citation (search report)
See references of WO 2006106216A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
FR 2883775 A1 20061006; FR 2883775 B1 20070615; DE 602006020025 D1 20110324; EP 1866098 A1 20071219; EP 1866098 B1 20110209; US 2008111000 A1 20080515; US 7677481 B2 20100316; WO 2006106216 A1 20061012

DOCDB simple family (application)
FR 0503295 A 20050404; DE 602006020025 T 20060331; EP 06743631 A 20060331; FR 2006000717 W 20060331; US 91072606 A 20060331