

Title (en)

Electrostatic spray pistol.

Title (de)

Hochspannungserzeuger für eine elektrostatische Sprühpistole.

Title (fr)

Pistolet de pulvérisation électrostatique.

Publication

EP 0472817 B1 19950809 (DE)

Application

EP 91107412 A 19910507

Priority

DE 4027078 A 19900827

Abstract (en)

[origin: JPH04235763A] PURPOSE: To miniaturize and lighten an electrostatic spray gun by providing a carrier plate of sintered ceramic that is printed with interconnects and capacitor electrodes to print the diodes of the high-voltage cascade onto a corresponding carrier plate in the integrated or attached high-voltage cascade. CONSTITUTION: In an electrostatic spray gun, particularly a hand spray gun for coating workpieces with liquid or powdery coating material, an integrated or attached high-voltage cascade is provided with a carrier plate 10 of sintered ceramic that is printed with interconnects 12 and capacitor electrodes 11. The diodes of the high-voltage cascade can also be printed onto a corresponding carrier plate. As a result, the dimensions of the electrostatic spray gun can be remarkably diminished and the weight can be considerably reduced.

IPC 1-7

B05B 5/053

IPC 8 full level

B05B 5/053 (2006.01); **H02M 7/10** (2006.01)

CPC (source: EP US)

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Cited by

US5992771A; WO9611062A1

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EP 0472817 A2 19920304; EP 0472817 A3 19920902; EP 0472817 B1 19950809; DE 4027078 A1 19920305; DE 59106204 D1 19950914; JP H04235763 A 19920824; US 5170315 A 19921208

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EP 91107412 A 19910507; DE 4027078 A 19900827; DE 59106204 T 19910507; JP 18820091 A 19910702; US 71243591 A 19910610