

Title (en)

Apparatus for applying a coating material on a workpiece

Title (de)

Vorrichtung zum Aufbringen von Beschichtungsgut auf einen Gegenstand

Title (fr)

Dispositif d'application d'un produit de revêtement sur un objet

Publication

**EP 0835692 A3 20010425 (DE)**

Application

**EP 97114150 A 19970816**

Priority

DE 19641958 A 19961011

Abstract (en)

[origin: EP0835692A2] The device has an impact surface and a particle radiating nozzle arrangement from which a flow of particles is ejected and blown against the impact surface, from which they are deflected towards the object to be coated. The particles are charged to a voltage different from that of the object by an electrode arrangement. Two nozzles (7,8) can blow particles (5,6) towards the impact surface (9) from opposite sides. The deflected particles form a common flow (4) directed towards the object (1). The direction of the common particle flow is varied by varying the ejection pressure at least one of the nozzles.

IPC 1-7

**B05B 1/26**; **B05B 5/08**; **B05B 7/14**; **B05B 15/04**

IPC 8 full level

**B05B 1/26** (2006.01); **B05B 5/08** (2006.01); **B05B 7/14** (2006.01); **B05B 12/18** (2018.01); **B05B 15/04** (2006.01); **B05B 1/04** (2006.01)

CPC (source: EP)

**B05B 1/262** (2013.01); **B05B 5/087** (2013.01); **B05B 7/1486** (2013.01); **B05B 12/18** (2018.01); **B05B 1/04** (2013.01)

Citation (search report)

- [A] US 3811620 A 19740521 - GEBHARDT O
- [A] US 4011991 A 19770315 - MASUDA SENICHI

Cited by

CN114054263A

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0835692 A2 19980415**; **EP 0835692 A3 20010425**; **EP 0835692 B1 20030122**; DE 19641958 A1 19980416; DE 59709184 D1 20030227

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