

Title (en)

Coating apparatus.

Title (de)

Beschichtungsvorrichtung.

Title (fr)

Dispositif de revêtement.

Publication

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Application

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Priority

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Abstract (en)

Electrostatic or electrogasdynamic coating apparatus includes a coating gun, e.g. for use with dry powder, whose structure defines a through passage leading from an inlet tube (10) operatively connected to a source of particulate coating material to a discharge barrel (12). A central needle cathode electrode (15) is mounted in a constricted region of the passage, its tip being adjacent an annular porous metal anode electrode (25) whose central opening defines part of the passage. A flow of the material is induced along the passage by a first pressurized gas (e.g. air) stream fed from a first supply formation (24) to enter the passage in the region of the electrodes, in which region the particles receive an electric charge from the latter. At the same time a second pressurized gas stream, which is controlled independently of the first stream, is fed from a second supply formation (24) through the porous electrode itself to prevent build-up of particles on the acting portion thereof.

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