

Title (en)

PROCESS AND INSTALLATION FOR ELECTROSTATIC COATING WITH A CONDUCTIVE COATING PRODUCT

Publication

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Application

**EP 88107504 A 19880510**

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- DE 3725172 A 19870729

Abstract (en)

[origin: US4879137A] In an apparatus for electrostatically coating workpieces with an electrically conductive coating material, an intermediate isolation tank (V) is connected by electrically insulating conduit lines (LVA, LVB, LZA, LZB) between an electrically grounded coating material supply and a high voltage spraying device atomizer (Z). When the apparatus is in operation, the conduit lines (LVA, LVB, LZA, LZB) are alternately filled and emptied, such that the grounded supply and the high voltage atomizer (Z) are continuously insulated from each other. One embodiment utilizes an isolation tank V' which includes a metering cylinder (DZ) having a displaceable piston (2) for adjusting the coating material capacity of the tank (V') to the amount required to coat a single workpiece.

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