

Title (en)

Method and apparatus for electrostatic powder coating

Title (de)

Verfahren und Vorrichtung zur elektrostatischen Pulverbeschichtung

Title (fr)

Méthode et appareil de poudrage électrostatique

Publication

EP 0697255 A3 19961218 (EN)

Application

EP 95112883 A 19950816

Priority

- JP 19326594 A 19940817
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- JP 19443094 A 19940818

Abstract (en)

[origin: EP0697255A2] An electrostatic powder coating method whereby free ions in the vicinity of a spray gun are trapped and the fine powder, which has a particle diameter of 25 μ m or less, is electrostatically charged and applied to the surface of an electrically grounded object to be coated. An electrostatic powder coating apparatus which is equipped with an electrostatic gun for electrostatically charging fine powder, which has a particle diameter of 25 μ m or less, and spraying the charged fine powder to the surface of the electrically grounded object to be coated, and a free ion trapping device for trapping free ions near the electrostatic gun. <MATH>

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B05B 5/053

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CPC (source: EP KR)

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Citation (search report)

- [XA] DE 9305642 U1 19930617
- [XA] US 4921172 A 19900501 - BELMAIN DANIEL [FR], et al
- [X] FR 2693923 A1 19940128 - SAMES SA [FR]
- [A] EP 0547397 A1 19930623 - WAGNER INT [CH]

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EP0745431A3; EP1258704A3; CN102806160A; EP1056546A4; CN102806158A; US7159587B2; US7572488B2; WO2023232199A3

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