

Title (en)
Apparatus for spray coating of workpieces

Title (de)
Vorrichtung zum Sprühbeschichten von Objekten

Title (fr)
Dispositif de revêtement d'objets par pulvérisation.

Publication
EP 0839583 A2 19980506 (DE)

Application
EP 97114520 A 19970822

Priority
DE 19645261 A 19961102

Abstract (en)
The assembly for spray coating workpieces, while they are moving on a conveyor, has an initial spray chamber (8) and at least one further spray chamber (12) along the movement path (6), with movement connections at their adjacent sides. The first chamber has an air extraction system, with a suction power set to extract air or powder/air mixture from the first chamber (8) and also draw it from the second chamber (12) through the first (8) for removal. Both chambers (8,12) have openings (22,44) in their side walls (20,40) for the insertion of spray units (24,46,48). At least the wall openings (44) at the second spray chamber (12) can be opened and closed (50) selectively. The width of the second spray chamber (12), at the spray unit entry opening (44), is wider than the end of the chamber against the first spray chamber (8). The second chamber (12) width decreases in a constant wedge shape from the spray entry opening (44) zone to the entry zone from the first chamber (8). All the walls, roofs and floors of the spray chambers (8,12) are of an electrically non-conductive material, and pref. of plastics.

Abstract (de)
Vorrichtung zum Sprühbeschichten von Objekten (2) mit Beschichtungspulver. Längs eines Objekt-Transportweges (6) sind eine erste Sprühbeschichtungskammer (8) und mindestens eine zweite Sprühbeschichtungskammer (12) angeordnet, welche strömungsmäßig miteinander verbunden sind, so daß letztere von einem Saugluftauslaß (28) der ersteren besaugt wird. Sprühvorrichtung-Einführöffnungen (44) der zweiten Sprühbeschichtungskammer (12) sind wahlweise durch Türen (50) verschließbar. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
B05B 14/48 (2018.02); **B05B 15/40** (2018.02); **B05B 16/25** (2018.02); **B05B 16/405** (2018.02); **B05B 16/90** (2018.02); **B05B 14/43** (2018.02); **B05B 16/60** (2018.02)

Citation (applicant)
DE 19524327 A1 19960425 - KRAEMER ERICH [DE], et al

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ITUB20152198A1; DE10028553A1; US7074274B1; DE202024101688U1; DE102016105067A1; WO2017157600A1; EP1162002A2; US6589345B2; US6852165B2; DE102014107396A1; WO2015180893A1; US6821346B2; US7014556B2; US7997963B2

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