

Title (en)

Coating tunnel for powder coating of flat workpieces

Title (de)

Beschichtungstunnel für die Pulverbeschichtung von flachen Werkstücken

Title (fr)

Tunnel de revêtement pour le revêtement par poudrage de pièces plates

Publication

EP 0951946 A2 19991027 (DE)

Application

EP 99810175 A 19990301

Priority

CH 62998 A 19980309

Abstract (en)

The powder coating cabin comprises a tunnel (10) with a spray device (2) positioned at the tunnel entrance above the conveyor belt (3) and at the inlet for the air suction device (4, 5), for applying coating powder to flat work pieces (1) and the belt. Excess powder present is sucked up from the air along the length of the belt, right up to the tunnel exit, and the exit for the air suction device leads to a powder recovery system comprising a cyclone or filter. Flat work pieces such as smooth, optionally perforated and bent or easily deformable sheets or strips are powder coated using electrostatic or tribostatic techniques.

Abstract (de)

Anlage zum Aufsprühen von Beschichtungspulver auf Werkstücke (1) z. B. Bleche oder Bänder auf einem flachen Transportsystem in einem Beschichtungstunnel (10) mit aussenliegenden Sprühorganen (2), damit kein Pulver unkontrolliert auf die Werkstücke (1) fallen und die Reinigung des Beschichtungstunnels (10) in wenigen Minuten auf manuelle oder automatische Art erfolgen kann. <IMAGE>

IPC 1-7

B05B 15/12; **B05B 15/04**

IPC 8 full level

B05B 14/48 (2018.01); **B05B 15/02** (2006.01); **B05B 15/12** (2006.01); **B05B 15/55** (2018.01); **B05B 16/40** (2018.01); **B05B 16/60** (2018.01)

CPC (source: EP)

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Citation (applicant)

EP 0405164 A2 19910102 - COLUMBUS SYSTEM PATENT AG [CH]

Cited by

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