

Title (en)
Device for automatic spray-coating of objects

Title (de)
Vorrichtung zum automatischen Sprühbeschichten von Gegenständen

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

Publication
EP 0536459 B1 19960424 (DE)

Application
EP 91710052 A 19911218

Priority
DE 4107094 A 19910306

Abstract (en)
[origin: JPH05192615A] PURPOSE: To minimize the loss of coating material and energy without disturbing the air flow in a spray chamber and to enable coating work with good quality by constituting the above device in such a manner that at least one spray mechanism is supported by first and second disks and is positioned to a material to be coated by the rotational operation of these disks. CONSTITUTION: This device has at least one piece of the spray mechanism 60 which is movable in a theoretical Y axis direction and is movable in a theoretical Z axis direction orthogonal with this Y axis and is provided with a first and second disks 4 and 32 on the same side as the outer side of the moving route of the material to be coated. The first disk 4 is arranged within the plane parallel to the Y axis and is rotatable with respect to a rotary axis 30 extending in the X direction intersecting orthogonally with the Y and Z axes. The second disk 32 is supported by the first disk 4 and is rotatable around a rotary axis 36 which is eccentric in parallel to the rotary axis 30 of the first disk 4. The device is provided with a drive mechanism for turning and rotating of both disks 4 and 32 relative to each other and the spray mechanism 60 is supported by the disks 4 and 32 and is position with respect to the material to be coated by their rotational movement.

IPC 1-7
B05B 13/04

IPC 8 full level
B05B 13/04 (2006.01)

CPC (source: EP US)
B05B 13/0452 (2013.01 - EP US)

Citation (examination)
US 4989785 A 19910205 - WALENDOWSKI STANLEY J [US]

Cited by
US5733374A; WO9503133A1

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BE ES FR GB IT SE

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DE 4107094 A1 19920910; EP 0536459 A1 19930414; EP 0536459 B1 19960424; ES 2088477 T3 19960816; JP H05192615 A 19930803; JP H0669542 B2 19940907; US 5236504 A 19930817

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