

Title (en)
PREPARATION INSTALLATION FOR COATING POWDER

Publication
EP 0305748 A3 19900502 (DE)

Application
EP 88112524 A 19880802

Priority

- DE 3729705 A 19870904
- DE 3729714 A 19870904
- DE 3729728 A 19870904
- DE 3729746 A 19870904

Abstract (en)
[origin: EP0305748A2] Powder preparation installation, in particular for enamel powder. <??>In a preparation container (2) fluidised powder is moistened to a particular moisture content by feeding in a compressed air stream which is controlled with respect to moisture content and temperature. Powder which has reached the correct moisture content in the preparation container (2) is transferred into a powder container (114). A spray device 10 for the electrostatic spray coating of an object with powder receives the powder from the powder container (114). As a result, it is ensured that only such powder is sprayed by the spray device which has the optimum moisture content for an electrostatic spray coating. The preparation container (2) contains a plurality of heating zones which can be heated separately from one another and are arranged on top of one another. As a result, only relatively small amounts of powder have to be adjusted to relatively large moisture content changes and temperature changes in the preparation container 2 when fresh powder and powder recovered from coating booths flows into the preparation container (2).
<IMAGE>

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IPC 8 full level
B01F 15/04 (2006.01); **B05B 5/16** (2006.01); **B05C 11/10** (2006.01); **B05C 19/00** (2006.01); **B05B 7/14** (2006.01)

CPC (source: EP US)
B05B 7/1404 (2013.01 - EP US); **B05B 7/1472** (2013.01 - EP US); **B05B 7/166** (2013.01 - EP US); **B05B 7/2491** (2013.01 - EP US); **B05B 5/1683** (2013.01 - EP US); **B05B 7/1454** (2013.01 - EP US)

Citation (search report)

- [A] US 4101685 A 19780718 - GEARY JOSEPH E, et al
- [AD] US 4500560 A 19850219 - GUFFROY GERARD [FR]
- [A] FR 2343818 A1 19771007 - AIR IND [FR]

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DE19840502C1; EP0675763A4; DE9413836U1; EP3401019A1; WO2019020796A3

Designated contracting state (EPC)
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EP 0305748 A2 19890308; **EP 0305748 A3 19900502**; JP H0194934 A 19890413; US 5000624 A 19910319

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