

Title (en)

METHOD AND APPARATUS FOR THE ELECTROSTATIC POWDER COATING OF ARTICLES

Publication

**EP 0034277 B1 19840926 (DE)**

Application

**EP 81100608 A 19810128**

Priority

DE 3005678 A 19800215

Abstract (en)

[origin: US4430359A] Objects are coated using electrostatically charged powder grains by feeding an air-powder mixture to a spray bell, fanning out the flow of the air-powder mixture and centrifuging the powder particles off the spray head. The powder particles are conveyed onto the object to be treated by applying an electric field between the spray bell and the object. A fluidized flow of powder, that is, a flowable mixture of air and powder, is supplied at low speed to the spray bell, accelerated minimally when passing into the rotating bell, then accelerated by the bell to 500 to 6000 rpm, transported to the rim of the bell and there centrifuged off.

IPC 1-7

**B05B 5/04**

IPC 8 full level

**B05B 5/04** (2006.01); **B05B 3/10** (2006.01)

CPC (source: EP US)

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