

Title (en)
Method for electrostatic coating

Title (de)
Verfahren zum elektrostatischen Beschichten

Title (fr)
Procédé pour déposition électrostatique

Publication
EP 0891817 A3 19990526 (DE)

Application
EP 98111127 A 19980617

Priority
DE 19730231 A 19970715

Abstract (en)
[origin: EP0891817A2] The coating involves at least two applicators (1,2), a corona spray gun and a tribo spray gun. One applicator (1) sprays the workpiece with positive charged particles of the covering material and the other applicator sprays it with negative charged particles. The two applicators work at the same time. The application of the particles of different charge at the same time means that the surface charge is less than when there is only one application of particles of one charge so the covering is thicker. Alternatively two applicators spray two different materials each having a different electric charge. The covering is sprayed alternating between the two applicators and thin layers are sprayed.

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B05B 5/08; **B05B 5/00**

IPC 8 full level
B05B 5/025 (2006.01); **B05D 1/06** (2006.01); **C09D 5/46** (2006.01); **B05B 5/00** (2006.01); **B05B 5/047** (2006.01)

CPC (source: EP US)
B05B 5/003 (2013.01 - EP US); **B05B 5/004** (2013.01 - EP US); **B05B 5/025** (2013.01 - EP US); **B05D 1/06** (2013.01 - EP US);
B05B 5/047 (2013.01 - EP US)

Citation (search report)
• [XY] DE 2731342 A1 19790125 - WEIGEL KURT
• [DA] DE 19542863 A1 19970522 - ABB RESEARCH LTD [CH]
• [YA] PATENT ABSTRACTS OF JAPAN

Cited by
ITRM20090039A1; US7572488B2; EP4245426A1; WO2005011091A1; WO2010054985A1; WO0064592A1; US9974909B2; US10434267B2;
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