

Title (en)

ELECTRODE ARRANGEMENT FOR A COATING APPARATUS, AND ITS USE

Publication

**EP 0175197 B1 19880330 (DE)**

Application

**EP 85111016 A 19850831**

Priority

CH 433584 A 19840911

Abstract (en)

[origin: US4637339A] An electrode arrangement for a coating installation which functions with the aid of an electric field. The electrode arrangement includes a pair of electrodes for creating an electrostatic field with at least one of the electrodes being fashioned with a sharp edge or tip. The electrode is disposed in a conduit and excess pressure or a vacuum is applied to the conduit with respect to the pressure in the coating chamber of the coating installation in an area of the electrode so that the coating medium is either prevented from coming into contact with the electrode or is suctioned off through the conduit system. By virtue of the provision of the suction removal means for the excess coating medium, the conduit system can be placed in direct communication with the ambient pressure. Additionally, the electrode may be arranged in a vacuum zone of the coating chamber.

IPC 1-7

**B05B 5/08**

IPC 8 full level

**B05B 5/08** (2006.01); **B05B 5/12** (2006.01)

CPC (source: EP US)

**B05B 5/12** (2013.01 - EP US); **B05B 5/032** (2013.01 - EP US); **B05B 5/081** (2013.01 - EP US); **B05B 14/10** (2018.01 - EP US)

Citation (opposition)

Opponent : **Leybold Aktiengesellschaft**

- DE 1938131 B2 19760318
- DE 2204652 B2 19790809
- "Der Grosse Brockhaus, Auflage 18. Band 17.", vol. 17, F.A. BROCKHAUS, Wiesbaden, article "Plasmabrenner", pages: 94, XP055263475

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