

Title (en)

Powder spray device with external and internal charging

Title (de)

Pulversprüheinrichtung mit interner und externer Aufladung

Title (fr)

Dispositif de pulvérisation de poudre à charge externe et interne

Publication

EP 0978319 A1 20000209 (DE)

Application

EP 98114846 A 19980807

Priority

EP 98114846 A 19980807

Abstract (en)

A powder spray device which is set up for a simultaneous internal and external powder discharge has a high voltage source (6), an earth electrode (10), at least one outer high voltage electrode (5) and several inner high voltage electrodes (2). The high voltage source is connected via connecting elements (3,4) made of highly resistive material not only to the outer high voltage electrode but also to a ring (1) made of highly resistive material, over whose periphery the inner high voltage electrodes are distributed evenly. As a material for the highly resistive components, a plastic is used which is filled with graphite, rust or other conducting material.

IPC 1-7

B05B 5/03; **B05B 5/053**

IPC 8 full level

B05B 5/025 (2006.01); **B05B 5/03** (2006.01); **B05B 5/053** (2006.01); **B05B 5/08** (2006.01)

CPC (source: EP US)

B05B 5/032 (2013.01 - EP US); **B05B 5/0533** (2013.01 - EP US); **B05B 5/087** (2013.01 - EP US)

Citation (applicant)

WO 9824555 A1 19980611 - ABB RESEARCH LTD [CH], et al

Citation (search report)

- [XA] DE 3812358 A1 19891026 - HESTERMANN GERHARD [DE]
- [A] EP 0203694 A2 19861203 - NORDSON CORP [US]
- [A] US 4027050 A 19770531 - HAIG FREDERIC DAVID
- [DA] WO 9824555 A1 19980611 - ABB RESEARCH LTD [CH], et al
- [A] DE 2837428 A1 19790322 - GEMA AG

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0978319 A1 20000209; **EP 0978319 B1 20000920**; DE 59800278 D1 20001026; JP 2000061366 A 20000229; US 6220533 B1 20010424

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