

Title (en)

ATOMISING BOWL AND ELECTROSTATIC ROTARY SPRAYHEAD UNIT EQUIPPED THEREWITH

Title (de)

SPRÜHGLOCKE UND ROTATIONSZERSTÄUBER MIT EINER SOLCHEN SPRÜHGLOCKE

Title (fr)

BOL DE PULVERISATION ET PROJECTEUR ROTATIF ELECTROSTATIQUE EQUIPE D'UN TEL BOL

Publication

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Application

**EP 99910470 A 19990331**

Priority

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Abstract (en)

[origin: US6347754B1] The invention concerns an atomizing bowl (4) for coating product electrostatic rotary sprayhead unit (1), said bowl comprising a bell (7) for distributing the product made from a conductive material and arranged to be brought to high voltage when the sprayhead unit is in operation, so as to charge electrostatically said product by contact. The invention is characterized in that said bell is electrically connected to at least one corona discharge element (22, 25, 28) from one tapered end (22a, 25a, 25b, 28a), said tapered end being arranged in the proximity of said bowl outer surface. The bowl is electrically connected to a generator capable of detecting variations in the glow currents passing through the discharge elements (22, 25, 28) or the bowl tips.

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**US 6347754 B1 20020219**; AU 2941399 A 19991018; BR 9908740 A 20001121; CA 2320880 A1 19991007; CN 1120056 C 20030903; CN 1292731 A 20010425; DE 69909605 D1 20030821; DE 69909605 T2 20040415; EP 1068022 A1 20010117; EP 1068022 B1 20030716; ES 2203089 T3 20040401; FR 2776946 A1 19991008; FR 2776946 B1 20000526; HU P0102390 A2 20011028; JP 2002509795 A 20020402; KR 100564289 B1 20060329; KR 20010041463 A 20010525; PL 343080 A1 20010730; TR 200002697 T2 20001221; TW 429168 B 20010411; WO 9949982 A1 19991007

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