

Title (en)
TRIBOELECTRIC SPRAYER

Title (de)
TRIBOELEKTRISCHER ZERSTÄUBER

Title (fr)
PULVÉRISATEUR TRIBOÉLECTRIQUE

Publication
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Application
EP 02702455 A 20020205

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Abstract (en)
[origin: US2004069870A1] The invention concerns a triboelectric sprayer (1) for spraying electrostatic powder paint, comprising a powder intake (13), an air intake (11), a conduit (5) transporting air and powder while providing the electrical charge of the powder and, in front of said charging conduit (5), means (18, 19, 20) for emitting at least an air-powder mixture jet. The air intake (11) is located in the axis (3) of the charging conduit (5), while the powder intake (13, 15) is arranged laterally and converges in an acute angle (A) with the air intake (11), in a point (P) located upstream of the charging conduit (5). The air intake can consist of an injector (11) made of electrically conductive material which also constitutes an earthing member of the wall (5) of the charging conduit (5).

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