

Title (en)

Electrostatic blade coaters and methods of use.

Title (de)

Vorrichtung zum elektrostatischen Beschichten und Verfahren zu seiner Anwendung.

Title (fr)

Appareil pour le revêtement électrostatique et procédé pour son utilisation.

Publication

EP 0080307 A2 19830601 (EN)

Application

EP 82306034 A 19821112

Priority

GB 8135054 A 19811120

Abstract (en)

Electrostatic coating apparatus and method, principally for conductive coating media, comprise a pair of applicators (4, 5) positioned on either side of the path (X-X) of movement of the workpiece through the apparatus and maintained at earth potential. A pair of charging members (6, 7) are also positioned on either side of the path (X-X) of movement of the workpiece and are spaced from the applicators (4, 5) so as to charge the medium only after the medium has left the applicators (4, 5). When the path (X-X) of workpiece movement is horizontal, a booster charging member (8) is provided below that path to deflect the medium towards the workpiece. The booster (8) is supplied with a voltage of the same magnitude as that of the lower charging member (7). The polarity of the voltage supply to the booster (8) may be the same as or opposite to that of the lower charging member (7).

IPC 1-7

B05B 5/08; B05D 1/04

IPC 8 full level

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CPC (source: EP)

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