

Title (en)

APPARATUS AND PROCESS FOR SPRAYING

Publication

EP 0250102 A3 19881130 (EN)

Application

EP 87304545 A 19870521

Priority

GB 8614564 A 19860616

Abstract (en)

[origin: EP0250102A2] The apparatus for spraying liquids comprises : an electrostatic spray head (2), high voltage means (24) for charging a liquid contact surface (18) to a sufficiently high voltage to intensify the electric field strength at the spraying site (16) in such a way that the liquid is drawn out preponderantly by electrostatic forces into at least one cone from which a ligament issues and breaks up into charged droplets, and means (36) for initiating curing of the droplets in flight.

IPC 1-7

B05B 5/02; **B01J 2/04**

IPC 8 full level

B05D 1/04 (2006.01); **B05B 5/025** (2006.01); **B05B 5/08** (2006.01); **B22F 9/14** (2006.01)

CPC (source: EP)

B05B 5/0255 (2013.01); **B05B 5/087** (2013.01); **B22F 9/14** (2013.01)

Citation (search report)

- [XP] EP 0194074 A1 19860910 - ICI PLC [GB]
- [A] US 2695002 A 19541123 - MILLER MERTON R

Cited by

US7374774B2; US7615373B2; US7977527B2; WO9803267A1; US6595208B1; US7759082B2; US7193124B2; US6386195B1; US6457470B1; US6753454B1; US6252129B1; US6318640B1; EP1132980A2; US7564054B2; WO2024030433A1; EP1132980B1

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 87304545 A 19870521; AU 7349087 A 19870528; CA 539460 A 19870611; GB 8614564 A 19860616; JP 14716987 A 19870615; NZ 22042687 A 19870525; ZA 873936 A 19870602; ZW 10087 A 19870601