

Title (en)
CONTROL SYSTEM FOR SPRAYING ELECTRICALLY CONDUCTIVE LIQUID

Title (de)
SYSTEM ZUM STEUERN DES AUSSTOSSENS VON ELEKTRISCH LEITFÄHIGER FLÜSSIGKEIT

Title (fr)
SYSTEME DE COMMANDE DE PROJECTION DE LIQUIDE ELECTRIQUEMENT CONDUCTEUR

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Application
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Abstract (en)
[origin: FR2763870A1] The invention concerns a control system for spraying an electrically conductive liquid (3) emitted in the form of a pressure jet (4) by means of a nozzle (2), comprising means for fractionating the liquid jet into droplets, means for electrically charging said droplets and means for applying a deflecting electric field to the charged droplets. The system comprises: a first (8) and a second (6) monolithic element each having a continuous surface, arranged such that the continuous surfaces are facing each other and define between them a space (5) wherein the pressure jet (4) is emitted by said nozzle (2), said elements (6, 8) including means for constantly providing voltages to said continuous surfaces to obtain said current load of the droplets and said deflecting electric field; electronic means (31 to 36) controlling said voltages and controlling the intensity of the electric currents circulating on said continuous surfaces.

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