

Title (en)

METHOD FOR COATING ELECTRICALLY CONDUCTIVE PARTICLES BY GRAFTING A POLYMER LAYER AND PRODUCTS RESULTING FROM SAID METHOD

Title (de)

VERFAHREN ZUM BESCHICHTEN VON LEITFÄHIGEN PARTIKELN DURCH PFROPFEN EINER POLYMERSCHICHT SOWIE DIE SO ERHALTENEN ERZEUGNISSE

Title (fr)

PROCEDE POUR L'ENROBAGE DE PARTICULES CONDUCTRICES DE L'ELECTRICITE PAR GREFFAGE D'UNE COUCHE POLYMERE ET PRODUITS ISSUS DE CE PROCEDE

Publication

EP 1025171 A1 20000809 (FR)

Application

EP 98951121 A 19981022

Priority

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Abstract (en)

[origin: WO9920697A1] The invention concerns a method for forming a coat on conductive particles by grafting a polymer and/or a copolymer on said particles from a bath containing at least a monomer from which said polymer and/or copolymer is formed. The method consists in producing said grafting by electrochemical reduction of said monomer in an electrolytic solution, wherein are provided at least a cathode and an anode and containing an aprotic solvent, a support-electrolyte and the monomer(s) required for polymerising or copolymerising the coat by suspending the particles and moving said solution so as to produce an intermittent contact between said particles and the cathode, and to form, by polymerisation or copolymerisation, the coat on the particles by applying an appropriate potential.

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C09D 5/44

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