Title (en)

PARTICLES COMPRISING A NON-CONDUCTING OR SEMI-CONDUCTING CORE, WHICH ARE COATED WITH A HYBRID CONDUCTING LAYER, PRODUCTION METHODS THEREOF AND USES OF SAME IN ELECTRICAL DEVICES

Title (de)

PARTIKEL MIT EINEM NICHTLEITENDEN ODER HALBLEITENDEN KERN, DIE MIT EINER HYBRID-LEITENDEN SCHICHT BESCHICHTET SIND, ZUGEHÖRIGES HERSTELLUNGSVERFAHREN UND DEREN VERWENDUNGEN IN ELEKTRISCHEN EINRICHTUNGEN

Title (fr)

PARTICULES COMPORTANT UN NOYAU NON CONDUCTEUR OU SEMI CONDUCTEUR ENROBEES PAR UNE COUCHE CONDUCTRICE HYBRIDE, LEURS PROCEDES D'OBTENTION ET LEURS UTILISATIONS DANS DES DISPOSITIFS ELECTRIQUES

Publication

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Application

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Abstract (en)

[origin: WO2004008560A2] The invention relates to a mixture of particles comprising a non-conducting or semi-conducting core which is covered with a conducting hybrid coating and hybrid conducting chains which are located between the particles of the mixture and which form a conductivity network, said mixture being prepared by means of mechanical crushing. The incorporation of said particle mixtures in the anodes and cathodes of electrochemical generators is advantageous owing to the very high conductivity of the network, the low resistivity, the excellent high current capacity and/or the good energy density thereof. In this way, the inventive particle mixture can be used to produce highly-performing electrochemical systems.

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IPC 8 full level

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