

Title (en)

METHOD FOR PRODUCING POWDERY POLYMER-CARBON NANOTUBES MIXTURES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PULVERFÖRMIGEN POLYMER-KOHLNSTOFFNANORÖHREN-GEMISCHEN

Title (fr)

PROCÉDÉ DE FABRICATION DE MÉLANGES DE NANO-TUYAUX DE CARBONE POLYMÈRE SOUS FORME DE POUDRE

Publication

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Application

**EP 11797322 A 20111219**

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Abstract (en)

[origin: WO2012084764A1] The invention relates to a method for producing and/or processing powdery polymer/carbon nanotube mixtures, comprising the step of grinding a mixture comprising carbon nanotubes and polymer particles. Grinding is carried out in the presence of = 0% by weight to = 15% by weight, relative to the total weight of the mixture, of a liquid phase not dissolving the polymer particles and at a temperature below the melting point of the polymer particles. The energy input during grinding is preferably low. PVDF is a preferred polymer. The invention further relates to polymer/carbon nanotube mixtures, which can be obtained by a method according to the invention, and to the use of such polymer/carbon nanotube mixtures for producing electrodes.

IPC 8 full level

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