

Title (en)

PROCESS FOR MANUFACTURING ORGANOCLAV-POLYMER NANOCOMPOSITES BY GAS PHASE POLYMERIZATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ORGANOTON-POLYMER-NANOVERBUNDWERKSTOFFEN DURCH GASPHASENPOLYMERISATION

Title (fr)

POLYMÉRISATION EN PHASE GAZEUSE POUR LA PRODUCTION DES NANOCOMPOSITES À BASE DE POLYMÈRE ET D'ARGILE ORGANOPHILE

Publication

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Application

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Abstract (en)

[origin: EP1702931A1] The invention relates to a process for producing a nanocomposite comprising a radical polymerization of at least one ethylenically unsaturated monomer species in the presence of a system comprising at least one initiator species, which is associated to the layer surfaces and interlayer spaces of at least one organoclay species, characterized in that the at least one ethylenically unsaturated monomer species is supplied to the radical polymerization in the gaseous state. The invention is further related to nanocomposites, which are obtainable by the process of the invention and the use of such nanocomposites, in particular as masterbatches.

IPC 8 full level

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