

Title (en)  
METHODS FOR THE PRODUCTION OF POLYMER CARRIER MATERIALS BASED ON CARBON HYDRATE-BIS-(METH)ACRYL- AMIDES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON POLYMEREN TRÄGERMATERIALIEN AUF BASIS VON KOHLENHYDRAT-BIS-  
(METH)ACRYLAMIDEN

Title (fr)  
PROCEDE DE PRODUCTION DE MATERIAUX SUPPORTS POLYMERES A BASE D'HYDRATE DE CARBONE-BIS- (METH)ACRYLAMIDES

Publication  
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Application  
**EP 05752320 A 20050624**

Priority  
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• AT 11002004 A 20040629

Abstract (en)  
[origin: WO2006000008A1] The invention relates to methods for the production of polymer carrier materials for solid phase synthesis, particularly for peptide synthesis. (Meth)acrylamide derivatives based on carbon hydrates, which can also contain other protective groups, are polymerized by means of suspension polymerization in an aqueous phase, optionally with the addition of pore-forming additives, and subsequently the protective groups are fully or partially cleaved. It is thus possible to obtain polymer carriers whose morphology (particle size, porosity), degree of cross-linking and swelling capability in aqueous and organic media can be adjusted in a targeted manner and whose reactive groups offer multiple opportunities for the immobilization of anchor groups and protective groups. The hydroxyl groups of the polymer carrier can be activated according to usual methods of solid phase synthesis.

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