

Title (en)

DEVICE AND METHOD FOR THE CONTINUOUS SYNTHESIS OF CELLULOSE CARBAMATE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR KONTINUIERLICHEN SYNTHESE VON CELLULOSECARBAMAT

Title (fr)

DISPOSITIF ET PROCEDE DE SYNTHESE EN CONTINU DU CARBAMATE DE CELLULOSE

Publication

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Application

EP 02718029 A 20020116

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Abstract (en)

[origin: DE10102172A1] The invention relates to a method for the synthesis of cellulose carbamate and a transport device (1) for transporting a cellulose slurry (4) dissolved in an organic reaction carrier. Until now, series of stirred-tank reactors were used for the synthesis of cellulose carbamate. Said series of stirred-tank reactors are complex and cause irregularities in the quality of the cellulose carbamate due to a wide range of retention time of the cellulose slurry in the series of stirred-tank reactors. According to the invention, a transport device (1) is used as a reactor system to carry out the continuous synthesis of cellulose carbamate or to enable said synthesis to be carried out. To this end, a cellulose slurry (4) suspended in an inert organic reaction carrier is heated in the continuous transport device (1) by means of a heating device (25, 26, 27), and is maintained essentially at the reaction temperature when transported in the transport device (1) along a transport track (5).

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