Title (en)
METHOD FOR SYNTHESIZING SUPRAMOLECULAR MATERIALS

Title (de)
VERFAHREN ZUR SYNTHESE VON SUPRAMOLEKULAREN MATERIALIEN

Title (fr)
PROCEDE DE SYNTHESE DE MATERIAUX SUPRAMOLECULAIRES

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Abstract (en)
[origin: WO2009141558A2] The present invention relates to a method for synthesizing a supramolecular material comprising: 1- the reaction of at least one carboxylic diacid, or ester or chloride of such a diacid, with, on the one hand, at least one modifier compound bearing both reactive functional groups capable of reacting with the carboxylic acid, ester or acid chloride functional groups and associative groups capable of associating with one another by hydrogen bonds, in a molar ratio of the reactive functional groups to the carboxylic acid, ester or acid chloride functional groups of between 0.10 and 0.50, and, on the other hand, at least one polyamine, said reactions being carried out successively or simultaneously, and 2- the reaction of the polyamide obtained at the end of step 1 with urea. The present invention also relates to the resulting material, and also to the uses thereof.

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