

Title (en)
POLYMER MODIFICATION

Title (de)
MODIFIKATION VON POLYMEREN

Title (fr)
MODIFICATION DE POLYMERES

Publication
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Application
EP 94924920 A 19940823

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• GB 9401844 W 19940823
• GB 9317618 A 19930824

Abstract (en)
[origin: WO9506058A1] A process for producing adducts of a polymer and a target material which process comprises the steps of (a) reacting either (i) an activating compound of formula (I) X-AM with a polymer of formula (II) (C)_c POL - Gg so as to form (ii) a sulphonate ester-activated polymer of formula (III) (C)_c POL - (AM)g; (b) reacting the sulphonate ester-activated polymer of formula (III) or (III') with the target material and (c) recovering the adduct of the polymer and the target material, in which process: (i) the polymer of formula (II) is dry as determined by benzene distillation, (ii) the reaction of the compound of formula (I) or (I') with the polymer of formula (II) is conducted in an organic solvent which is inert to the reagents and to the product of formula (III) or (III') and is anhydrous as obtainable using molecular sieves of 0.3nm; (iii) the reaction of the compound of formula (I) or (I') with the polymer of formula (II) is conducted in a reaction vessel from which water is excluded; (iv) the sulphonate ester-activated polymer of formula (III) or (III') so produced is recovered and either used directly in step (b) or stored, prior to use in step (b), in the presence of a desiccating agent more hygroscopic than the product of formula (III) or (III'); and (v) the reaction of the sulphonate ester-activated polymer with the target material is conducted in a non-denaturing medium and non-denaturing temperature with respect to the target material.

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IPC 8 full level
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Cited by
US7432330B2; US7714114B2; EP2261244A2; US7432331B2; US8106131B2; US8227555B2; US8835556B2

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