

Title (en)

HIGH MOLECULAR WEIGHT CATIONIC POLYMERS, PREPARATION METHOD AND USES THEREOF

Title (de)

KATIONISCHE POLYMERE MIT HOHEM MOLEKULARGEWICHT, VERFAHREN ZUR DEREN HERSTELLUNG UND DEREN ANWENDUNGEN

Title (fr)

POLYMERES CATIONIQUES DE HAUT POIDS MOLECULAIRE, PROCEDE POUR LEUR PREPARATION, ET LEURS APPLICATIONS

Publication

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Application

**EP 01955439 A 20010719**

Priority

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Abstract (en)

[origin: WO0210225A1] The invention concerns a method for preparing high molecular weight cationic polymers based on dialkyl diallyl ammonium salts in bead form by reverse suspension polymerisation. Said method uses a monomer or a mixture of monomers based on dialkyl diallyl ammonium salts at a concentration ranging between 67 and 77 wt. % and preferably between 68 and 72 wt. % of active substance. Said method enables to polymerise said type of monomer without developing specific stabilising system, without seeded polymerisation, without even adding surfactants to the formulation, without distillation in certain important cases, and while avoiding any risk of solidification. The invention also concerns the resulting polymers and their industrial use, in particular paper making, water treatment, mining, cosmetics, textile, and generally in all industrial techniques of coagulation/flocculation.

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CPC (source: EP US)

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