

Title (en)
CONTROLLED, IMINE BASE-INITIATED POLYMERIZATION

Title (de)
KONTROLLIERTE, IMINBASEN-INITIIERTE POLYMERISATION

Title (fr)
POLYMÉRISATION CONTRÔLÉE INITIÉE PAR DES BASES IMINE

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Application
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Abstract (en)
[origin: WO2012139822A2] The present invention relates to a novel polymerization method for (meth)acrylates or styrenes, in which a specific base with imine structure is added as a latent initiator, and the polymerization can be initiated at high temperatures without addition of a coinitiator. This novel and controllably useable method can also be used to prepare high molecular weight poly(meth)acrylates, in some cases with narrow molecular weight dispersion. In addition, using this novel polymerization method, a wide variety of different polymer architectures, such as block, star or comb polymers, are available.

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