

Title (en)

METHOD FOR SYNTHESISING POLYMERS BY CONTROLLED-RADICAL INVERSE EMULSION POLYMERISATION

Title (de)

VERFAHREN ZUR SYNTHESE VON POLYMEREN DURCH KONTROLLIERTE RADIKALISCHE INVERSE EMULSIONSPOLYMERISATION

Title (fr)

PROCEDE DE SYNTHESE DE POLYMERES PAR POLYMERISATION RADICALAIRE CONTROLEE EN EMULSION INVERSE

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Application

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Abstract (en)

[origin: CA3118202A1] The present invention concerns a method for preparing a polymer by inverse emulsion polymerisation comprising the following steps: a) Preparing an aqueous phase comprising at least one water-soluble monomer and at least one water-soluble precursor of formula (I): formula (I) b) Preparing an organic phase comprising a lipophilic solvent and at least one water-in-oil surfactant, c) Mixing the aqueous phase and the organic phase by stirring in order to form an inverse emulsion, d) Once the inverse emulsion is formed, adding a radical polymerisation initiator to the inverse emulsion, and obtaining a polymer by polymerisation of the at least one water-soluble monomer.

IPC 8 full level

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