

Title (en)

CONTROLLED MINI-EMULSION FREE RADICAL POLYMERISATION

Title (de)

KONTROLLIERTE RADIKALISCHE MINIEMULSIONSPOLYMERISATION

Title (fr)

SYNTHESE DE POLYMERES PAR VOIE RADICALE CONTROLEE EN MINIEMULSION

Publication

**EP 1409555 A2 20040421 (FR)**

Application

**EP 02762496 A 20020626**

Priority

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Abstract (en)

[origin: FR2826658A1] The invention concerns a method for preparing polymers by free radical polymerisation comprising (i) preparing a mini-emulsion containing: at least an ethylenically unsaturated monomer, at least a control agent selected among xanthates, dithiocarbamates, thioether-thiones, the xanthates comprising phosphorus and optionally fluorine and dithiophosphoroesters, an aqueous solution, a surfactant, and a co-surfactant, and (ii) reacting said mini-emulsion, in the presence of a free radical source, at a sufficient temperature and/or for a sufficient time interval to form the polymers.

IPC 1-7

**C08F 2/16**

IPC 8 full level

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