

Title (en)

METHOD FOR OBTAINING A POLYMER IN A SOLUTION

Title (de)

VERFAHREN ZUR GEWINNUNG EINES GELÖSTEN POLYMERS

Title (fr)

PROCEDE DE RECUPERATION D UN POLYMER EN SOLUTION

Publication

EP 1646679 A1 20060419 (FR)

Application

EP 04766212 A 20040714

Priority

- EP 2004051482 W 20040714
- FR 0308691 A 20030715

Abstract (en)

[origin: FR2857670A1] A method of recovering one or more polymers in solution in a solvent by progressive introduction of a non-solvent into the precipitation medium. The non-solvent is introduced progressively into the precipitation medium and a phase separation into a continuous phase rich in solvent in which the polymer is dissolved and a dispersed phase consisting of droplets rich in non-solvent occurs, followed by a phase inversion in which the continuous phase is rich in non-solvent and the dispersed phase rich in solvent with dissolved polymer. The non-solvent is initially introduced in solely liquid form and in an amount Q' which is non-zero but below the amount Q required to cause phase inversion. It is then introduced, at least partially, in the form of vapour. An independent claim is included for a method of recycling one or more polymer based articles by turning into 1cm to 50cm fragments if necessary, placing the article or its fragments into a solvent capable of dissolving the polymer and recovering using the claimed method.

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C08J 11/08; C08J 3/14

IPC 8 full level

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CPC (source: EP US)

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