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(54) Title: SOLVENT EXTRACTION OF POLYHYDROXYALKANOATES FROM BIOMASS FACILITATED BY THE USE OF A MARGINAL NONSOLVENT FOR PHA

(57) Abstract

The present invention relates to a process for separating polyhydroxyalkanoate (PHA) from a biomass comprising the PHA, the process comprising: (a) treating the biomass with a PHA solvent and a marginal nonsolvent for PHA; (b) removing any insoluble biomass, thereby leaving behind a solution of PHA and marginal nonsolvent for PHA; and (c) removing the PHA solvent from the solution, thereby resulting in a suspension of precipitated PHA in the marginal nonsolvent for PHA. Optionally, the process further comprises removing the marginal nonsolvent for PHA, thereby leaving behind the PHA. The present invention further relates to the suspension and the PHA produced by the process.