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(54) Title: METHOD FOR RECOVERING PHAS FROM A BIOMASS

(57) Abstract: A method for recovering polyhydroxyalkanoates from a biomass is disclosed. According to the method, polynucleotide chains are cleaved by addition of an endonuclease. A lysing agent is used to disrupt cell walls of the microorganism cells and release the intracellular polyhydroxyalkanoates from the cells. Proteins are also degraded by addition of a peptidase. The polyhydroxyalkanoates are then separated from cellular debris of the cells. According to the present disclosure, this method is carried out without the use of organic solvents in the cleaving, lysing, and degrading steps.

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