

Title (en)  
HOT SHAPING POLYHYDROXYALKANOATE POLYMERS

Title (de)  
WARM-WARM-FORMGEBUNG VON POLYHYDROXYALKANOATEN

Title (fr)  
FA ONNAGE A CHAUD DE POLYMERES DE POLYHYDROXYALCANOATES

Publication  
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Application  
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Abstract (en)  
[origin: WO9723549A1] This invention relates to processes for producing a shaped object of polyhydroxyalkanoate (PHA) that makes it possible to omit the preliminary extrusion-compounding step, thus saving expense and limiting loss of molecular weight. The process comprises producing a biomass containing particles of PHA and non-PHA cell material (NPCM), separating the NPCM, suspending the PHA particles in water, agglomerating the suspended PHA particles to a suitable weight average particle diameter, separating the agglomerated PHA particles from the suspension, drying the agglomerated PHA particles, and hot shaping the dry, agglomerated PHA particles. In one embodiment, the weight average particle diameter is 50 mu m to 5000 mu m. In another embodiment, a plasticiser is added to the agglomerated PHA particles.

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