

Title (en)  
METHODS FOR PREPARING SOFT AND ELASTIC BIODEGRADABLE POLYHYDROXYALKANOATE COPOLYMER COMPOSITIONS AND POLYMER PRODUCTS COMPRISING SUCH COMPOSITIONS

Title (de)  
METHODEN ZUR HERSTELLUNG VON WEICHEN UND ELASTISCHEN BIOLOGISCH ABBAUBAREN POLYHYDROXYALKANOAT-COPOLYMERENZUSAMMENSETZUNGEN UND POLYMERPRODUKTEN DIE DIESE ZUSAMMENSETZUNGEN ENTHALTEN

Title (fr)  
PROCEDES DE PREPARATION DE COMPOSITIONS DE COPOLYMERES POLYHYDROXYALKANOATE, DOUX ET ELASTIQUE, BIODEGRADABLE ET PRODUITS A BASE DE POLYMERES COMPRENANT CES COMPOSITIONS

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Application  
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Priority  
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Abstract (en)  
[origin: WO0130893A1] Soft and elastic polymer products are obtained by stretching a composition comprising a biodegradable polyhydroxyalkanoate copolymer comprising at least two randomly repeating monomer units. The first randomly repeating monomer unit has structure (I), wherein R<1> is H, or C1 or C2 alkyl, and n is 1 or 2. The second randomly repeating monomer unit is different from the first randomly repeating monomer unit and has structure (II), wherein m is 2 to about 9. At least about 70 mole % of the copolymer comprises randomly repeating monomer units having the structure of the first randomly repeating monomer unit (I). The products exhibit advantageous combinations of softness and elasticity while maintaining strength.

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**C08J 5/18**; **A61L 15/62**

IPC 8 full level  
**C08J 5/00** (2006.01); **A61L 15/26** (2006.01); **A61L 15/62** (2006.01); **C08G 63/06** (2006.01); **C08J 5/18** (2006.01); **C08L 101/16** (2006.01); **D01F 6/84** (2006.01); **D04H 1/42** (2006.01)

CPC (source: EP KR)  
**A61L 15/26** (2013.01 - EP); **A61L 15/62** (2013.01 - EP); **C08G 63/48** (2013.01 - KR); **C08J 5/18** (2013.01 - EP); **C08J 2367/04** (2013.01 - EP)

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