

Title (en)
BIOABSORBABLE POLYMERIC COMPOSITIONS AND MEDICAL DEVICES

Title (de)
BIORESORBIERBARE POLYMERZUSAMMENSETZUNGEN UND MEDIZINISCHE VORRICHTUNGEN

Title (fr)
COMPOSITIONS POLYMÈRES BIOABSORBABLES ET DISPOSITIFS MÉDICAUX

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Application
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- US 57696509 A 20091009
- US 50766309 A 20090722

Abstract (en)
[origin: WO2010132899A1] The present invention discloses a stent comprising a blend formed from a polymer. The polymer comprises poly-L-lactide, poly-D-lactide or mixtures thereof and a copolymer moiety comprising poly-L-lactide or poly-D-lactide linked with epsilon-caprolactone or trimethylcarbonate. The poly-L-lactide or poly-D-lactide sequence in the copolymer moiety is random with respect to the distribution of epsilon-caprolactone or trimethylcarbonate and the copolymer moiety molecular weight ranges from about 1.2 IV to about 4.8 IV. The polymere blend may have a wide-angle X-ray scattering (W AXS) 2-theta values of ranging from about 1 to about 35. The properties of the bioabsorbable polymers allow for both crimping and expansion of the stent. The crystal properties of the bioabsorbable polymers may change during crimping and/or expansion allowing for improved mechanical properties such as tensile strength and slower degradation kinetics

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Citation (search report)

- [X] WO 2008011175 A2 20080124 - ORBUSNEICH MEDICAL INC [US], et al
- [Y] US 2008118546 A1 20080522 - THATCHER G LAWRENCE [US], et al
- [Y] WO 2008089434 A2 20080724 - ELIXIR MEDICAL CORP [US], et al
- [Y] WO 2004080332 A2 20040923 - SYNECOR LLC [US], et al
- See references of WO 2010132899A1

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