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(54) Title: BIODEGRADABLE THERMOPLASTIC ELASTOMERS

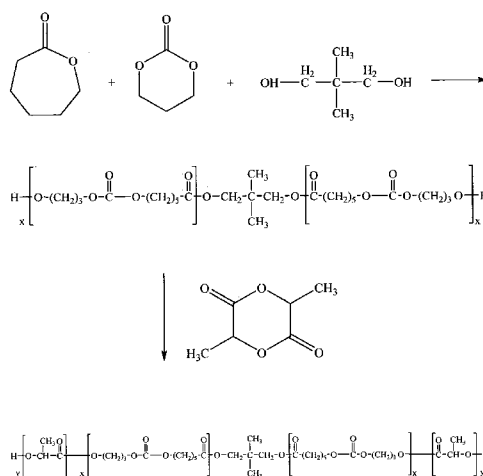


Figure 1

(57) Abstract: The present invention relates to a biodegradable thermoplastic elastomer having the general formula A-B-A where in each A is an amorphous polymer having a glass transition temperature (T_g) $>40^\circ\text{C}$ or a semi-crystalline polymer having a glass transition temperature (T_g) and/or melting temperature (T_m) $>40^\circ\text{C}$; B is a copolymer of -caprolactone (CL) and at least one additional monomer selected from the group consisting of L-lactic acid (LLA), trimethyl carbonate (TMC), and glycolic acid (GA), or B is different to A and is lactic-co-glycolic acid (LGA); and wherein the molar ratio of CL to the at least one additional monomer in the copolymer B is in the range between about 1:0.09 to about 1:1.