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(54) **FUNCTIONALIZED ALIPHATIC POLYESTERS AND PROCESS FOR PRODUCING THE SAME**

(57) The present invention relates to lactone monomers, which may be biomass-derived substituted caprolactone monomers, to a synthetic process for producing the same, to functionalized aliphatic polyester homopolymer obtainable by a ring-opening polymerization (ROP) of said lactone monomers, to functionalized aliphatic pol-

yester random copolymer obtainable by a ROP from said lactone monomers, to functionalized aliphatic polyester copolymer of random and block microstructure obtainable by a ROP of ϵ -caprolactone or δ -valerolactone and said lactone monomers and to a respective process of ROP.

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