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(54) Title: IMPLANTABLE BIO-RESORBABLE POLYMER

(57) Abstract: The present invention relates to a polymer obtained from the polymerization of: (i) at least one monomer of formula (I) $(CH_2=CR_1)CO-K$ (I) wherein: K represents $O-Z$ or $NH-Z$, Z representing $(CR_2R_3)_m-CH_3$, $(CH_2-CH_2-O)_m-H$, $(CH_2-CH_2-O)_m-CH_3$, $(CH_2)_m-NR_4R_5$ with m representing an integer from 1 to 30; R_1 , R_2 , R_3 , R_4 and R_5 independently represent H or a C1-C6 alkyl; and (ii) at least one bio-resorbable block copolymer cross-linker.

