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(54) Title: BIOACTIVE POLYETHYLENE COPOLYMER, POLYETHYLENE MACROMOLECULE AND RELATED METHODS THEREOF

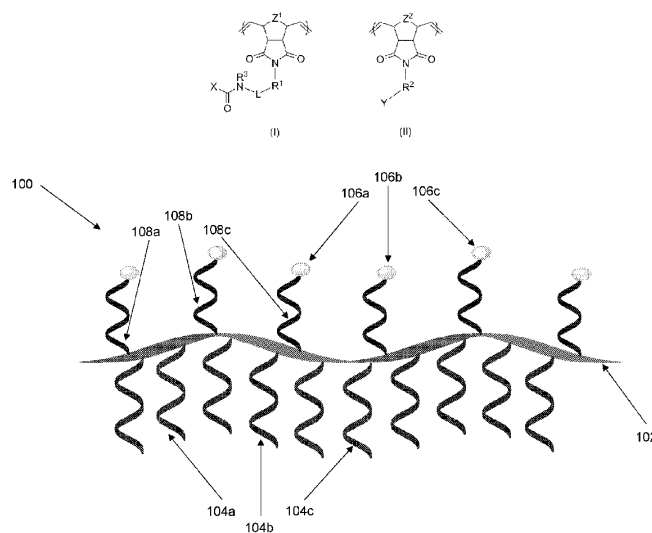


FIG. 1

(57) Abstract: There is provided a bioactive polyethylene copolymer with a poly(norbornene) backbone comprising one or more repeating units represented by general formula (I) and one or more repeating units represented by general formula (II). Also provided are a polyethylene macromolecule, a material comprising said bioactive polyethylene copolymer, a method of preparing said bioactive polyethylene copolymer and a method of preparing said polyethylene macromolecule.

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