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(54) Title: A CROSSLINKED POLYMER AND RELATED METHODS THEREOF

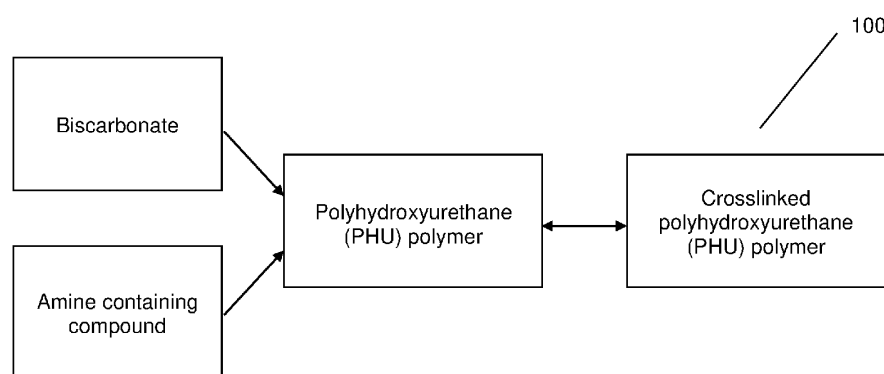


FIG. 10

(57) Abstract: There is provided a method of crosslinking a polyhydroxyurethane (PHU) polymer having a plurality of diene moieties, preferably furan in the backbone and a crosslinked PHU polymer by reacting with a crosslinking agent having two or more dienophile moieties. Also provided is a method of removing the crosslinks of a crosslinked PHU polymer comprising a plurality of diene-dienophile adducts.

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