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(54) Title: THERMOGELLING POLYMERS, FUNCTIONALIZED FORMS THEREOF, AND RELATED METHODS

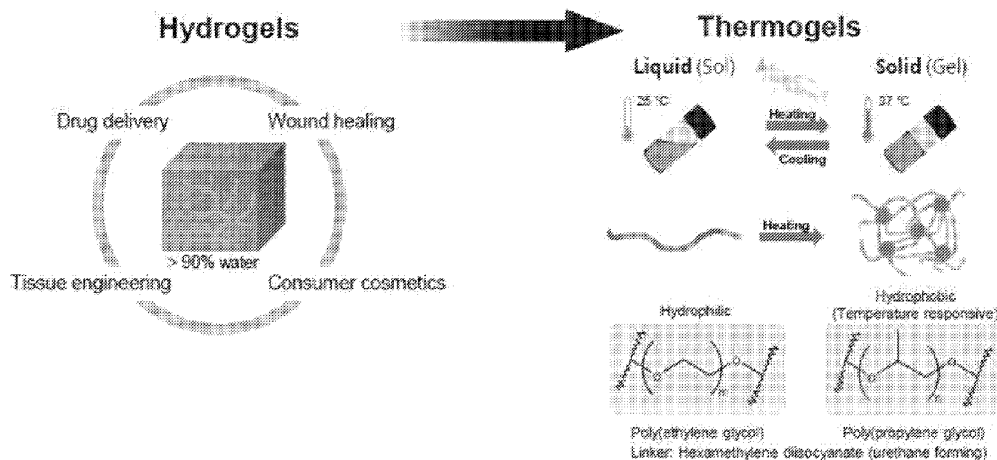


FIG. 1

(57) Abstract: There is provided a thermogelling polymer comprising one or more repeating units derived from a hydrophilic polymer, one or more repeating units derived from a thermoresponsive polymer, and one or more repeating units derived from a vinyl-containing diol monomer, wherein the one or more repeating units derived from a hydrophilic polymer, the one or more repeating units derived from a thermoresponsive polymer, and the one or more repeating units derived from a vinyl-containing diol monomer are chemically coupled together by at least one of urethane/carbamate, carbonate, ester linkages or combinations thereof. There are also provided a method of preparing said thermogelling polymer and a functionalized form of said thermogelling polymer.

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