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(54) Title: INTERPENETRATING NETWORKS, AND RELATED METHODS AND COMPOSITIONS

(57) Abstract: The present invention provides interpenetrating polymeric networks (IPNs), and related methods and compositions. The hydrogel material of this invention comprises an interpenetrating network of two or more polymer networks, wherein at least one of the polymer networks is based on a biopolymer. Also provided is a method of producing the hydrogel material comprising, combining a first polymeric network with a second polymeric network, wherein the first polymeric network or the second polymeric network is based on a biopolymer. The present application also discloses devices manufactured from the IPN hydrogel material and uses thereof.



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