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(54) **HYDROGEL IMPLANTS WITH VARYING DEGREES OF CROSSLINKING**

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See application file for complete search history.

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(57) **ABSTRACT**

The present disclosure relates to a hydrogel composition and methods of using the same. The hydrogel composition may include precursors that react with each other upon contact as well as precursors that react upon contact with an initiator. In embodiments, the resulting hydrogels may have varying levels of crosslinking with both denser and less dense regions.

13 Claims, 11 Drawing Sheets