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(54) Title: PREPOLYMERS WITH DANGLING POLYSILOXANE-CONTAINING POLYMER CHAINS

(57) Abstract: The invention provide a new class of silicone-containing prepolymers containing dangling polysiloxane-containing polymer chains. This class of silicone-containing prepolymer is capable of being actinically crosslinked to form a silicone hydrogel material with a relatively high oxygen permeability, a reduced elastic modulus, and a relatively high ion permeability. The present invention is also related to silicone hydrogel contact lenses made from this class of silicone-containing prepolymers and to methods for making the silicone hydrogel contact lenses.



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