

[54] **BIOLOGICALLY STABILIZED COMPOSITIONS COMPRISING COLLAGEN AS THE MINOR COMPONENT WITH ETHYLENICALLY UNSATURATED COMPOUNDS USED AS CONTACT LENSES**

4,264,493 4/1981 Battista ..... 351/160 H  
4,268,131 5/1981 Miyata et al. .... 351/160 H

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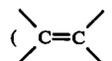
[57] **ABSTRACT**

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Hydrogels are prepared by subjecting to polymerization conditions an aqueous admixture comprising a major amount of an organic monomer which is characterized by a polymerizable ethylenic group

[\*] **Notice:** The portion of the term of this patent subsequent to Jun. 14, 2000 has been disclaimed.

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[52] **U.S. Cl.** ..... 523/106; 351/160 H; 523/108; 527/201

[58] **Field of Search** ..... 260/8, 123.7; 351/160 H; 523/106, 108; 527/201

[56] **References Cited**

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as illustrated by N,N-dimethylacrylamide, 2-hydroxyethyl methacrylate, dimethylaminoethyl methacrylate or methoxytriethylene glycol methacrylate, and a minor amount of solubilized collagen. The reactants employed are at least partially soluble in the aqueous reaction medium. The hydrogels thus prepared are novel shaped articles having utility in the medical and cosmetic fields. Contact lenses of such hydrogels exhibit high water content, high oxygen permeability and good mechanical strength characteristics.

**29 Claims, 4 Drawing Figures**

