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# United States Patent [19]

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Nesburn et al.

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[54] **METHOD OF CROSSLINKING AMINO ACID CONTAINING POLYMERS USING PHOTOACTIVATABLE CHEMICAL CROSSLINKERS**

[58] Field of Search ..... 204/157.68, 157.63; 623/6, 7; 128/DIG. 8

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[ \* ] Notice: The portion of the term of this patent subsequent to Jun. 18, 2008 has been disclaimed.

[57] **ABSTRACT**

[21] Appl. No.: **659,497**

A method for molecularly crosslinking amino acid containing polymers by photoactivating chemical crosslinkers which have been combined with the polymers. Collagen crosslinked by this method can be used as a bioadhesive for sutureless closures of the skin and eye or as a superhydrated material for contact lenses, moist bandage contact lens, lens or corneal implant material, or as a drug delivery mechanism.

[22] Filed: **Feb. 22, 1991**

**Related U.S. Application Data**

[63] Continuation of Ser. No. 159,603, Feb. 24, 1988.

[51] Int. Cl.<sup>5</sup> ..... **C07K 3/00**

[52] U.S. Cl. .... **204/157.68; 204/157.63; 623/6; 128/DIG. 8**

**3 Claims, No Drawings**