

United States Patent [19]

Sulc et al.

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[54] **CONTACT OR INTRAOCULAR LENS FROM LIGHTLY CROSSLINKED POLYMER OR COPOLYMER OF 2-HYDROXYETHYL METHACRYLATE AND A METHOD FOR PRODUCING THEREOF**

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[30] Foreign Application Priority Data

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[52] U.S. Cl. **623/6; 351/160 H**

[58] Field of Search **623/6; 351/160 H**

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[57] ABSTRACT

Contact lens or intraocular lens from lightly crosslinked polymer of 2-hydroxyethyl methacrylate or from such its copolymer, where the 2-hydroxyethyl methacrylate component prevails over the second nonhydrophilic component, which contains a hydrophilic swellable transparent surface layer and an inner part of lower swellability than the surface layer, whereby the swellability of the surface layer decreases continuously from the surface towards the inner part to the swellability level of the inner part. The swellability of the surface layer is at the surface of up to 98% and the thickness of the surface layer is at utmost 100 μm . The finally shaped lens is treated with an alkaline reacting solution of a salt, in which the lens does not swell and the lens is then freed of all soluble substances by washing.

6 Claims, No Drawings