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[54] POLYMER COMPOSITIONS FOR CONTACT LENSES

[75] Inventors: **Jay F. Kunzler**, Mayfield, Ohio; **Gary D. Friends**, Ontario, N.Y.

[73] Assignee: **Bausch & Lomb Incorporated**, Rochester, N.Y.

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Related U.S. Application Data

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[51] **Int. Cl.**[5] **C08J 6/10**

[52] **U.S. Cl.** ..... **523/108**; 523/105; 523/106; 526/304; 526/309; 351/159; 351/100 H; 351/160 R; 623/6

[58] **Field of Search** ..... 526/309, 304; 351/159, 351/160 H, 160 R; 623/6; 523/105, 106, 108

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Primary Examiner—Joseph L. Schofer
Assistant Examiner—Peter Mulcahy
Attorney, Agent, or Firm—Salvatore P. Pace

[57] **ABSTRACT**

Branched alkylhydroxycycloalkyl methacrylate monomers, such as t-butylhydroxycyclohexyl methacrylate, are polymerized with hydrophilic monomers and cross-linking agents to produce compositions for shaped biomedical devices, including soft contact lenses. Such copolymers have high oxygen permeability and good mechanical properties.

29 Claims, No Drawings