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Gould et al.

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[54] **POLYURETHANE DIACRYLATE COMPOSITIONS USEFUL FOR CONTACT LENSES AND THE LIKE**

[75] Inventors: **Francis E. Gould**, Princeton; **Christian W. Johnston**, Neshanic Station, both of N.J.

[73] Assignee: **Tyndale Plains-Hunter, Ltd.**, Princeton, N.J.

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Related U.S. Application Data

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[58] **Field of Search** 521/905; 528/904, 75; 525/28, 454, 455, 539, 920, 937

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Primary Examiner—H. S. Cockeram

Attorney, Agent, or Firm—Robert W. Kell; George F. Mueller

[57] **ABSTRACT**

Polyurethane diacrylate compositions are obtained by reacting a diacrylate in the presence of from about 30 to about 95 weight percent of a hydrophilic polyurethane resin. The resulting products will form a hydrogel upon immersion in water and are permeable to gases, ions and other low molecular weight species. The hydrophilic polyurethane diacrylate compositions may be molded to form shaped products that are dimensionally stable after repeated exposure to boiling water and exhibit memory. The compositions are useful for making contact lenses and numerous forms of surgical devices, among other things.

19 Claims, No Drawings