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Gould et al.

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[54] **POLYURETHANE DIACRYLATE COMPOSITIONS**

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[52] **U.S. Cl.** **525/454**; 521/905; 525/455; 528/75; 528/904

[58] **Field of Search** 525/127, 455, 454; 528/75, 904; 521/905

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[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.

15 Claims, No Drawings