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# United States Patent [19] Gupta

[11] E

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[54] **DEFORMABLE-ELASTIC INTRAOCULAR LENS**

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Reissue of:

[64] Patent No.: **4,834,750**  
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[51] **Int. Cl.<sup>6</sup>** ..... **A61F 2/16**  
 [52] **U.S. Cl.** ..... **623/6; 264/1.7**  
 [58] **Field of Search** ..... **623/6; 264/1.1, 264/1.7**

### [57] ABSTRACT

A deformable-elastic intraocular lens comprising a deformable-elastic lens body of crosslinked acrylic material formed of copolymers of methacrylate and acrylate esters which are relatively hard and relatively soft at body temperature, crosslinked with a diacrylate ester to produce an acrylic copolymer having a substantially tack-free surface, a crosslink density of between  $[0.5 \times 10^{-2}$  and  $1.5 \times 10^{-2}]$   $0.23 \times 10^{-1}$  and  $1.66 \times 10^{-1}$  moles per liter, and glass transition temperature in the range of  $-30^{\circ}$  C. to  $25^{\circ}$  C., a tensile modulus between 1000 and 3000 psi and a elongation a break of 100% or greater.

### [56] References Cited

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**21 Claims, 3 Drawing Sheets**

