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Woods et al.

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(54) **CAPSULAR INTRAOCULAR LENS IMPLANT HAVING A REFRACTIVE LIQUID THEREIN**

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A61F 2/16 (2006.01)
(52) **U.S. Cl.** **623/6.37**; 623/6.13
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See application file for complete search history.

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(57) **ABSTRACT**

An intraocular lens having a light-transmitting optic (**32, 94a, 94b, 142, 148, 216**) comprised of a synthetic light-refractive material (**40, 102**) operably coupled with a flexible optic positioning member (**34, 62, 74, 84, 100, 150, 210**) to refract light onto the retina in order to correct refractive errors in the eye (**10**). The refractive material has an index of refraction of from about 1.36 to 1.5 or higher. The optic positioning member (**34, 62, 74, 84, 100, 150, 210**) is constructed of a flexible synthetic resin material such as polymethylmethacrylate and permits focusing upon objects located near to and far from the viewer. The optic (**32, 94a, 94b, 142, 148, 216**) of the present invention possess greater refractive capability than optics conventionally used in IOL construction, and permits retinal receipt of the image being viewed in order to correct refractive errors.

15 Claims, 7 Drawing Sheets

