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Momose et al.

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[54] **SYNTHETIC SAPPHIRE INTRAOCULAR LENS**

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[21] Appl. No.: **652,981**

[57] **ABSTRACT**

[22] Filed: **Feb. 11, 1991**

Related U.S. Application Data

There is disclosed a new and improved intraocular lens (IOL) for use by surgeons as a replacement for a person's cataractous lens. The disclosed lens is a synthetic sapphire lens having either a silicone or polyimide haptic thereby making the lens autoclavable. The lens is resistant to damage caused by YAG laser and eliminates the need for ridges of any kind on the surface of the lens which has previously been used to keep the lens off the posterior capsule of the crystalline lens. Eliminating the need for a ridge now allows the lens to be made much thinner and also eliminates the tiddlywink effect. The new IOL is approximately $\frac{1}{3}$ to $\frac{1}{5}$ the thickness of standard PMMA IOLs and is totally non-degradable.

[63] Continuation-in-part of Ser. No. 522,139, May 11, 1990, abandoned.

[51] Int. Cl.⁵ **A61F 2/16**

[52] U.S. Cl. **623/6; 623/901; 65/33; 501/86**

[58] Field of Search **623/6, 901; 63/32; 65/33; 501/86**

[56] **References Cited**

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6 Claims, 1 Drawing Sheet

