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Wiley et al.

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[54] **VARIABLE POWER INTRAOCULAR LENS WITH ASTIGMATISM CORRECTION**

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[*] Notice: The portion of the term of this patent subsequent to Apr. 28, 2009 has been disclaimed.

[57] **ABSTRACT**

An intraocular lens has a flexible lens body center portion formed from an optically clear material surrounded by an outer ring which is sensitive to an external force, such as a magnetic force. Utilizing the external force, the shape of the outer ring can be changed to elongate the lens body along a predetermined axis for correcting astigmatism. The outer ring can also be used to change the power of the lens by altering the spherical shape or curvature of the lens. Attached to one of the lens body and the ring is a plurality of actuator bodies of ferromagnetic material which are either permanently magnetized by the external force or are temporarily magnetized and the altered shape is retained by a shape retainer attached to the ring.

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[51] Int. Cl.⁵ **A61F 2/16**

[52] U.S. Cl. **623/6**

[58] Field of Search **623/6**

[56] **References Cited**

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20 Claims, 5 Drawing Sheets

