



(12) **United States Patent**
Paul et al.

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(54) **INTRAOCULAR LENS FOR INHIBITING CELL GROWTH AND REDUCING GLARE**

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(21) Appl. No.: **10/245,920**

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(65) **Prior Publication Data**

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(57) **ABSTRACT**

Related U.S. Application Data

An intraocular lens implantable in an eye includes an optic for placement in the capsular bag of the eye and for directing light toward the retina of the eye. The optic has a central optical axis, an anterior face, an opposing posterior face and a peripheral edge between the faces. The peripheral edge has one or more curved or angled surfaces that reduce glare within the IOL. For instance, a rounded transition surface on the anterior side of the peripheral edge diffuses the intensity of reflected light, or a particular arrangement of straight edge surfaces refracts the light so as not to reflect, or does not reflect at all. The intersection of the peripheral edge and at least one of the anterior face and the posterior face, preferably both of such faces, forms a peripheral corner located at a discontinuity between the peripheral edge and the intersecting face or faces. The present IOLs inhibit cell growth from the eye in front of or in back of the optic and reduce glare obtained in the eye in which the IOL is located.

(63) Continuation of application No. 09/507,602, filed on Feb. 18, 2000, now Pat. No. 6,468,306, which is a continuation of application No. 09/448,713, filed on Nov. 24, 1999, now abandoned, which is a continuation-in-part of application No. 09/086,882, filed on May 29, 1998, now Pat. No. 6,162,249.

(51) **Int. Cl.**
A61F 2/16 (2006.01)

(52) **U.S. Cl.** **623/6.16; 623/6.17**

(58) **Field of Classification Search** 623/6.11, 623/6.16, 6.17, FOR. 105, 6.28
See application file for complete search history.

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6 Claims, 8 Drawing Sheets

