

[54] ANTERIOR CHAMBER INTRAOCULAR LENS

[76] Inventor: Larry G. Leiske, 1500 S. Central, Suite 221, Glendale, Calif. 91204

[21] Appl. No.: 545,829

[22] Filed: Oct. 27, 1983

[51] Int. Cl.⁴ A61F 1/16; A61F 1/24

[52] U.S. Cl. 3/13

[58] Field of Search 3/13, 1

[56] References Cited

U.S. PATENT DOCUMENTS

4,377,873 3/1983 Reichert, Jr. 3/13

OTHER PUBLICATIONS

The Leiske Physioflex Style 10 Anterior Chamber Lens, advertisement by Surgidev Corp., Santa Barbara, Calif., 1981.

Intraocular Lenses from McGhan/3M, Anterior Chamber Liteflex Style 70 Intraocular Lens, advertisement by McGhan Medical/3M, 3M Center, St. Paul, MN 55144, 2 pages.

Primary Examiner—Ronald L. Frinks

Attorney, Agent, or Firm—Hugh D. Jaeger

[57] ABSTRACT

Anterior chamber lens including a lens optic and two flexible opposing loops secured into a side edge of the optic. Each loop is substantially U-shaped and each opposing arm of the loop includes a slight ramp providing a vault for the lens with respect to each base member of each loop. The lens and loop are constructed from a single monomer or monofilament material, polymethylmethacrylate (PMMA), providing for stability, low mass, and flexibility. The loops are flexible in three degrees of freedom, particularly end-to-end. The lens can be utilized in both primary and secondary implantations with either intracapsular or extracapsular cataract extractions. Each lens end base member is kicked up at an angle with a flat portion disposed between the ramped portion and the base member. The base member can also be curved inwardly towards the lens. The kicked up ends eliminates and reduces ovaling of the pupil in addition to preventing the lens from bowing forward. The kicked up end of the base member can be in a range of 0.0–0.25 mm while 0.12 mm is the preferred range.

6 Claims, 9 Drawing Figures

