

- [54] **POSTERIOR CHAMBER ARTIFICIAL INTRAOCULAR LENS**
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- [58] **Field of Search** 3/13, 1; 351/160

[56] **References Cited**

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[57] **ABSTRACT**
 An artificial intraocular lens for implantation in the

posterior chamber of an eye after intracapsular or extracapsular lens extraction comprises a transparent optical zone portion shaped similar to the natural lens and a plurality of prongs protruding forwardly from the periphery thereof, wherein after implantation of the artificial intraocular lens the prongs extend through the iris to anchor the lens in the posterior chamber of the eye. The prongs protrude forwardly from the lens and are curved so that the outer ends of the prongs extend generally along the periphery of the lens, and the prongs are preferably arranged in pairs with the prongs in each pair extending in opposite directions along the periphery of the lens. A peripheral flange may be provided surrounding the optical zone portion for attaching the prongs to the lens, and a plurality of openings may be provided in the flange adjacent to the optical zone portion to permit passage of aqueous fluid from the ciliary body to the anterior chamber.

Also disclosed is an insertion necklace comprising a semirigid loop passed through the openings in the flange surrounding the optical zone portion to embrace and support the lens during implantation thereof. A handle is connected to the loop for holding and manipulating the lens. The loop may be cut for removal of the insertion necklace after implantation of the lens.

28 Claims, 13 Drawing Figures

