

[54] POSTERIOR CHAMBER LENS IMPLANT

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[58] Field of Search 623/6

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[57] ABSTRACT

A posterior chamber lens implant for use after extra-capsular surgery, i.e. surgery in which the rear membrane of the lens or posterior capsule is left intact. The lens implant comprises an optic having a front surface and a rear surface and the implant is secured within the

posterior chamber of the eye. In one form of the invention, a pair of position-fixation means are adapted to support the optic in the posterior capsule of the eye with the planar rear face of the optic inclined with respect to the posterior capsule, with the superior rear edge of the optic in contact with the posterior capsule and the inferior rear edge spaced from the posterior capsule. While in a second form of the invention, the position-fixation means are such that they press the superior peripheral rear edge of the optic against the posterior capsule for deforming the latter in a manner to space the posterior capsule away from the mid-portion of the rear face of the optic. In a third form of the invention, the optic is conventionally held in conventional position in the posterior capsule, but the optic itself is formed with a prism-shaped portion at the rear thereof. The prism-shaped portion defines a rear planar surface which is inclined with respect to the posterior capsule upon conventional implantation. The implant of the present invention thus facilitates laser posterior capsulotomy in the event of clouding of the posterior capsule following extra-capsular surgery.

14 Claims, 7 Drawing Figures

