

[54] DEVICES FOR IMPLANTATION OF DEFORMABLE INTRAOCULAR LENS STRUCTURES

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[58] Field of Search 128/321, 303 R; 623/6; 604/14, 104, 107, 322-324, 343, 354

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[57] ABSTRACT

The invention provides unique devices for implantation of deformable intraocular lens structures for surgical placement in the eye. In one embodied form, the inventive device comprises a generally cylindrical disarticulating lens holding member at a distal end of the device for receiving an intraocular lens having a deformable optical zone portion therein; a concentrically aligned sleeve for exerting a prescribed compressive force upon the intraocular lens once contained within the lens holding member; and a collar element disposed at a proximate end of the surgical device for facilitating placement of the lens and for effecting release of the compressed lens through a relatively small incision made in the ocular tissue. Accordingly, by use of the unique implantation tool, an ophthalmic surgeon may inspect the intraocular lens held within the device for appropriate optical characteristics prior to manipulation within the eye, and ensure compression of the deformable lens to a prescribed cross-section for insertion through the small incision made in the ocular tissue and ensure convenient release and placement of the deformed lens, but without widening the ocular wound.

13 Claims, 19 Drawing Figures

