

- [54] METHODS FOR IMPLANTATION OF DEFORMABLE INTRAOCULAR LENSES
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[57] ABSTRACT

The invention provides an improved intraocular lens structure comprising a deformable optical zone portion with prescribed memory characteristics and methods and devices for implantation of such lens in the eye. The unique optical zone portion of the lens can be deformed by compressing, rolling, folding, stretching, or can be deformed by a combination of these techniques to temporarily reduce the optical zone portion to a diameter of about 80% or less of the cross-sectional diameter of the optical zone portion in an unstressed state. After insertion into the eye, the optical zone portion returns to its original configuration, full size and fixed focal length. The inventive methods and devices for implantation permit insertion of the improved lens through a relatively small incision made in the ocular tissue, thereby providing a safer, more convenient surgical procedure and more comfortable fit for the eye.

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24 Claims, 63 Drawing Figures

