



US005466260A

United States Patent [19]

[11] Patent Number: **5,466,260**

Silvestrini et al.

[45] Date of Patent: **Nov. 14, 1995**

[54] **ADJUSTABLE DEVICES FOR CORNEAL CURVATURE ADJUSTMENT**

2095119 9/1982 United Kingdom 623/5

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[21] Appl. No.: **141,813**

[22] Filed: **Oct. 22, 1993**

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(List continued on next page.)

Related U.S. Application Data

[62] Division of Ser. No. 948,079, Sep. 21, 1992, Pat. No. 5,300,118.

[51] Int. Cl.⁶ **A61M 31/00**

[52] U.S. Cl. **623/5; 606/166**

[58] Field of Search **623/4.5; 606/107, 606/166; 128/898**

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[57] ABSTRACT

The intrastromal corneal ring (ICR) is adjustable in thickness and has an elongated, flexible, preferably transparent or translucent body which forms a circle. The ICR is of a size such that it can be inserted into a human eye and is comprised of a material which is compatible with human ocular tissue. The thickness of the ring can be adjusted so that it is not necessary to stock a plurality of different rings of different sizes to be used in connection with a method of adjusting the shape of the cornea of the eye. A plurality of different embodiments of ICRs are disclosed each of which are adjustable in terms of their thickness. The thickness may be adjusted prior to the insertion of the ICR into the cornea and may not be further adjustable after insertion. However, in accordance with preferred embodiments the ICR is inserted at a thickness which is believed to be proper and may thereafter be further adjusted in order to precisely define the desired thickness and thereby more precisely adjust the shape of the cornea and focus the light entering the eye on the retina.

11 Claims, 7 Drawing Sheets

