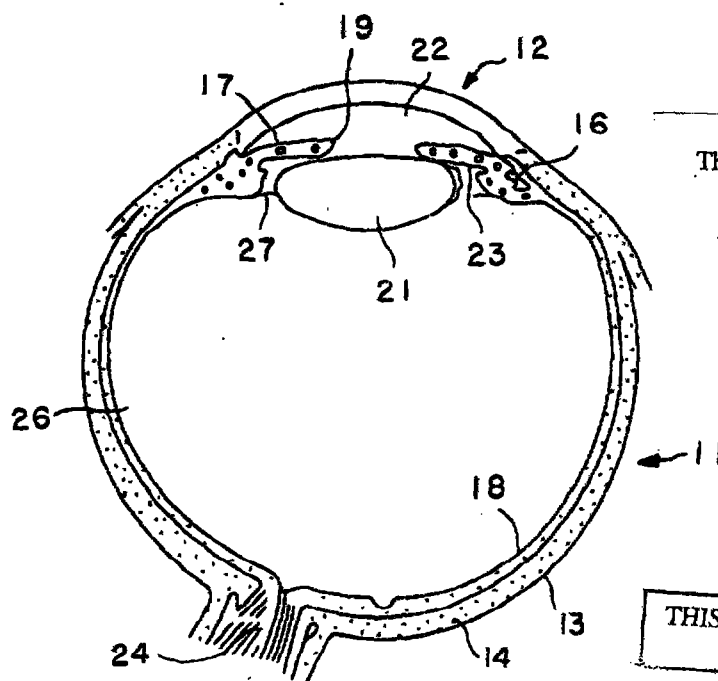


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| <b>(51) International Patent Classification <sup>5</sup>:</b><br><br><b>A61M 31/00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 94/06504</b><br><br><b>(43) International Publication Date:</b> 31 March 1994 (31.03.94)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>(21) International Application Number:</b> PCT/US93/08766<br><b>(22) International Filing Date:</b> 16 September 1993 (16.09.93)<br><br><b>(30) Priority data:</b><br>07/948,079                      21 September 1992 (21.09.92) US<br><br><b>(60) Parent Application or Grant</b><br><b>(63) Related by Continuation</b><br>US                                      07/948,079 (CIP)<br>Filed on                                21 September 1992 (21.09.92)<br><br><b>(71) Applicant (for all designated States except US):</b> KERA-VISION INC. [US/US]; 2334 Walsh Avenue, Santa Clara, CA 95051 (US). |           | <b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> SILVESTRINI, Thomas [US/US1; 1701 Las Trampas Road, Alamo, CA 94507 (US); MATHIS, Mark [US/US1; 42770 Castillejo Court, Fremont, CA 94539 (US); LOOMAS, Bryan [US/US1; 1055 Reed Street, Santa Clara, CA 95050 (US).<br><br><b>(74) Agents:</b> CAGAN, Felissa, H. et al.; Morrison & Foerster, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).<br><br><b>(81) Designated States:</b> AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).<br><br>Published<br><i>With international search report.</i> |

**(54) Title:** ADJUSTABLE DEVICES FOR CORNEAL CURVATURE ADJUSTMENT

This Sheet Has Been Replaced

THIS SHEET HAS BEEN  
REPLACED**(57) Abstract**

The intrastromal corneal ring (ICR) (47) is adjustable in thickness and has an elongated, flexible preferably transparent or translucent body which forms a circle. The thickness may be adjusted prior to insertion into the cornea and may not be further adjustable after insertion. In preferred embodiments, the thickness of the ICR may be adjusted after insertion to more precisely adjust the shape of the cornea (12) and focus the light entering the eye on the retina (18).