



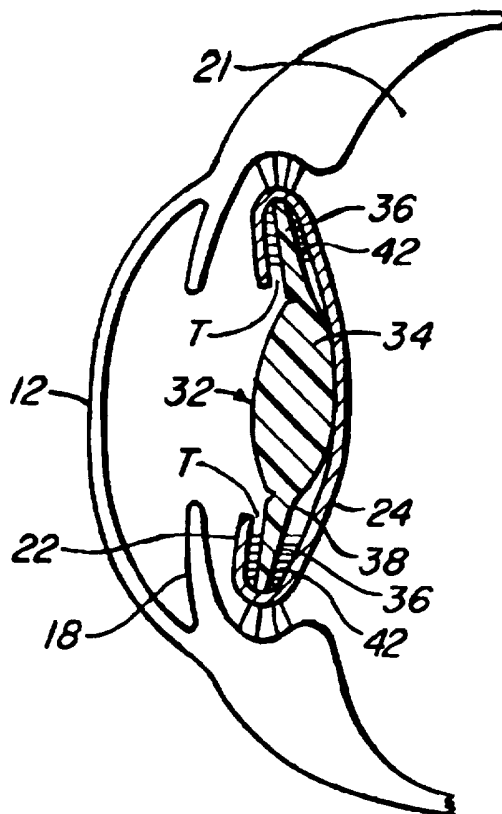
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/US94/09654 (22) International Filing Date: 24 August 1994 (24.08.94) (30) Priority Data: 08/113,215 27 August 1993 (27.08.93) US (71)(72) Applicant and Inventor: CUMMING, J., Stuart [US/US]; 1211 West LaPalma Avenue #201, Anaheim, CA 92801 (US). (74) Agent: BROWN, Boniard, I.; 1500 West Covina Parkway #113, West Covina, CA 91790 (US).</p>		<p>(81) Designated States: CA, JP, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 20 April 1995 (20.04.95)</p>

(54) Title: ACCOMMODATING INTRAOCULAR LENS

(57) Abstract

An accommodating intraocular lens (32) to be implanted within the natural capsular bag (20) of a human eye (10) from which the natural lens has been removed through an anterior capsule opening in the bag circumferentially surrounded by an anterior capsular remnant (22). During postoperative healing, the anterior capsular remnant fuses to the posterior capsule of the bag by fibrosis (42) about haptics (36) while the ciliary muscle (28) is maintained in its relaxed state, and the lens is deflected rearwardly by the fibrosing anterior capsular (22) to a distant vision position against the elastic posterior capsule (24) of the bag in which the posterior capsule is stretched rearwardly.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US94/09654

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(6) : A61F 2/16
 US CL : 623/6
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 623/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

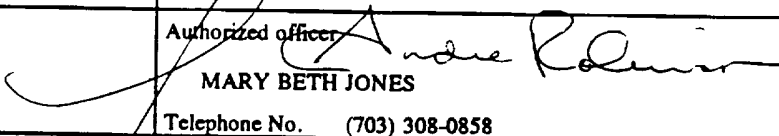
C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---- Y	US, A, 4,254,509 (TENNANT) 10 MARCH 1981, see Figures 1 and 6	1-3, 5-7, 9, 11, 15-19, 24-26, 34, 39, 41, 43, 79-81, 83, 84 ----- 15-19, 24-66, 31-33, 56-78, 91

Further documents are listed in the continuation of Box C. See patent family annex.

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Date of the actual completion of the international search 06 FEBRUARY 1995	Date of mailing of the international search report 10 MAR 1995
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Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer  MARY BETH JONES Telephone No. (703) 308-0858
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US94/09654

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US, A, 4,424,597 (SCHLEGEL) 10 JANUARY 1984, see Fig. 4 and col. 4, lines 57-63	1-3, 5-7, 9, 11, 34, 39, 41, 43, 44, 79-81, 83 ----- 15-16, 18-19, 24- 26, 31-33
X --- Y	US, A, 4,673,406 (SCHLEGEL) 16 JUNE 1987, see Figs. 5, 7, 8	1-3, 5-7, 9, 10, 15, 34, 36, 39, 41, 43, 44, 79- 81, 83, 84 ----- 15-16, 18-19, 24- 26, 31-33
X --- Y	US, A, 4,664,666 (BARRETT) 12 MAY 1987, see Fig. 10	1-3, 5-7, 9, 10, 44, 79-81, 83, 87 ----- 15-16, 18-19, 24- 26, 31-33, 40
X --- Y	US, A, 4,585,457 (KALB) 29 APRIL 1986, see entire document	47 ----- 48, 53, 55
A	US, A, 4,840,627 (BLUMENTHAL) 20 JUNE 1989, see entire document	38
Y	US, A, 4,304,012 (RICHARD) 08 DECEMBER 1981, see entire document	17, 56-78, 91
Y	US, A, 4,605,411 (FEDOROV ET AL) 12 AUGUST 1986, see entire document	48, 53