



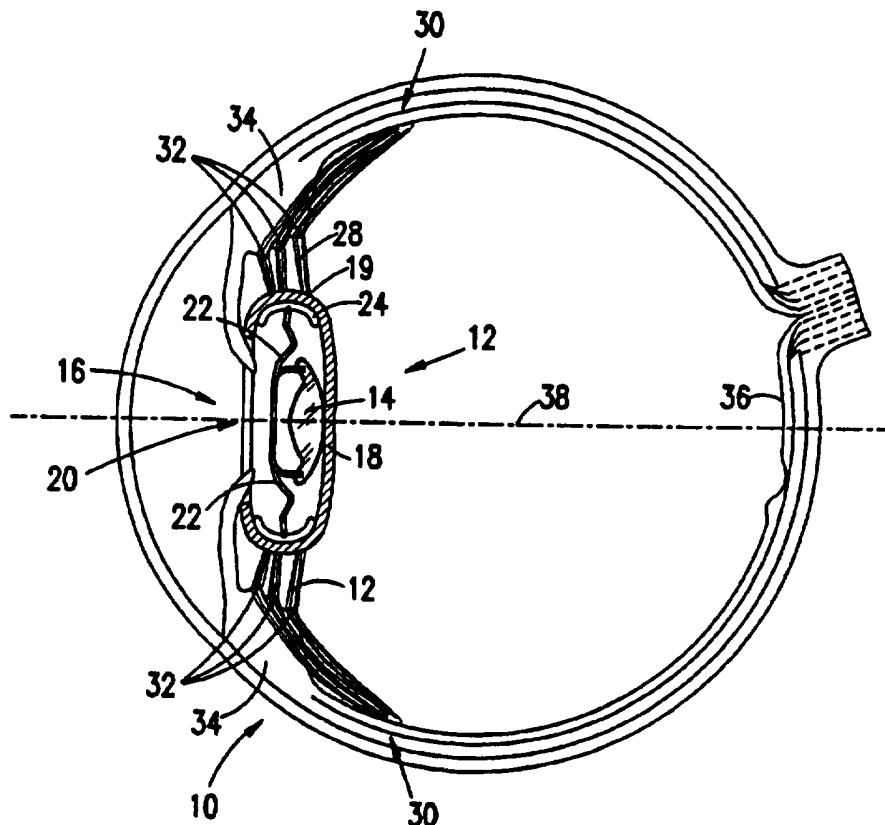
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61F 2/16		A3	(11) International Publication Number: WO 96/15734
			(43) International Publication Date: 30 May 1996 (30.05.96)
(21) International Application Number: PCT/US95/14555 (22) International Filing Date: 21 November 1995 (21.11.95) (30) Priority Data: 111713 21 November 1994 (21.11.94) IL (71) Applicant (for all designated States except US): ACUITY (ISRAEL) LIMITED [IL/IL]; 39 Ben Zakai Street, 51482 Bnei Brak (IL). (72) Inventor; and (75) Inventor/Applicant (for US only): ISRAEL, Henry, M. [US/IL]; 39 Ben Zakai Street, 51482 Bnei Brak (IL). (74) Agent: TURK, Arnold; Greenblum & Bernstein, P.L.C., 1941 Roland Clarke Place, Reston, VA 22091 (US).		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, 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), ARIPO patent (KE, LS, MW, SD, SZ, UG). Published <i>With international search report.</i> <i>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: 12 September 1996 (12.09.96)	

(54) Title: ACCOMMODATING INTRAOCULAR LENS IMPLANT

(57) Abstract

An intraocular lens assembly for implantation in a human eye, said eye including a ciliary muscle and zonules controlled by the ciliary muscle, the assembly including: an optic having anterior and posterior surfaces depending from a common edge; at least two, preferably rigid, linkage arms, each being attached to the optic at a first position on the arm thereof and cooperating with ciliary muscle or the zonules at a second position on the arm; and at least two pivots, one of which is rotatably attached to each respective linkage arm intermediate the first and second positions.



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INTERNATIONAL SEARCH REPORT

International Application No.
PCT/US 95/14555

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 A61F2/16

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)
IPC 6 A61F

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 practical, 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	US,A,4 426 741 (BITTNER) 24 January 1984	1-4,14, 15,29,30
Y	see column 4, line 43-61; figures ---	7,11
Y	EP,A,0 507 292 (MENICON) 7 October 1992	7
A	see abstract; figures	18
X	see the whole document ---	31-40
Y	EP,A,0 337 390 (CESKOSLOVENSKA AKADEMIE) 18 October 1989 see claim 1; figure 1 ---	11
A	EP,A,0 478 929 (IPP INTELLECTUAL) 8 April 1992 ---	
A	US,A,4 902 293 (FEASTER) 20 February 1990 ---	
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

29 July 1996

Date of mailing of the international search report

05.08.96

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

Int. l. Application No.
PCT/US 95/14555

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP,A,0 592 813 (HOYA CORPORATION) 20 April 1994 ---	
A	US,A,4 463 458 (VISION LABORATORIES) 7 August 1984 ---	
A	US,A,4 253 199 (SURGICAL DESIGN CORPORATION) 3 March 1981 cited in the application -----	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US95/14555

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

SEE ANNEX

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

Subject no 1: Claims 1, 2, 3-30, 32, 33, 35-37
Subject no. 2: Claims 31, 34, 38, 32-37, 39-40
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/

- Subject no.1 : Claims 1,2,3-30,32,33,35-37, an intraocular lens assembly for implantation in a human eye having two linkage arms.
- Subject no.2 : Claims 31, 34,38,32-33,35-37,39-40, an intraocular lens assembly for implantation in a human eye having an expanding ring associated with the edge.
- Subject no.3: Claims 41,42 an ajustment tool comprising a pincer having a pair of handles.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 95/14555

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US-A-4426741	24-01-84	NONE	
EP-A-507292	07-10-92	JP-A- 4364840 US-A- 5275624	17-12-92 04-01-94
EP-A-337390	18-10-89	CA-A- 1325699 JP-A- 2011134 US-A- 4963148	04-01-94 16-01-90 16-10-90
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US-A-4463458	07-08-84	NONE	
US-A-4253199	03-03-81	NONE	