### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization

International Bureau



# 

(43) International Publication Date 12 August 2004 (12.08.2004)

**PCT** 

# (10) International Publication Number WO 2004/066870 A3

(51) International Patent Classification<sup>7</sup>: A61B 19/00

(21) International Application Number:

PCT/US2004/002189

(22) International Filing Date: 27 January 2004 (27.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/442,698 27 January 2003 (27.01.2003) US

(71) Applicant (for all designated States except US): RESTORVISION LTD [US/US]; 1 Mountainview Road, Englewood, CO 80111 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): STRAUB, Howard, N. [US/US]; 17856 E. Berry Drive, Aurora, CO 80015 (US).

(74) Agents: THOMAS, M., Saunders et al.; Brown Rudnick Berlack Israels LLP, One Financial Center, Boston, MA 02111 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### **Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 30 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMBINED IOL AND SCLERAL IMPLANTS AND METHOD OF USE

READING IMPLANT PRESSES INWARD

> FUTRACCULAR Leus Moves Aucuard

> > axive tap i madenaent

EYE WITH

TOL &

READING

TOMPLANT

(57) Abstract: This invention relates to presbyopia and in particular, it relates to the combined use of intraocular lenses and scleral implants (2) and method of use in subjects without a crystalline lens or with a crystalline lens and also an implanted artificial lens.

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/02189

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : A61B 19/00  US CL : 128/898			
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.: 128/898; 623/4.1, 6.11; 606/204.25			
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.
Y	US 6,280,468 B1 (SCHACHAR) 28 August 2001 (28.08.2001), Figures 2, 4 and 5; column 1-6		
./. <b>Y</b>	5, lines 9-18 and 50-61. US 2002/0161437 A1 (ZHOU et al) 31 October 2002 (31.10.2002), lines 1-4 of [0003].		1-6
A, P	US 6,511,508 B1 (SHAHINPOOR et al) 28 January 2003 (28.01.2003), column 13, lines 23-28.		1-6
Further documents are listed in the continuation of Box C. See patent family annex.			and Sline days
** Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "T" later document published after the international filing date or prior date and not in conflict with the application but cited to understand principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive s when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document is combined with one or more other such documents, such combination.		date and not in conflict with the applic	ation but cited to understand the
		considered novel or cannot be consider	
		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	
priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search Dat		Date of mailing of the international search report	
23 July 2004 (23.07.2004) AUG 2004			~~ 
		Authorized officer //	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Urmi Chattopadhyay	
P.O. Box 1450			
	xandria, Virginia 22313-1450 o. (703) 305-3230	Telephone No. (703) 308-8510	

Form PCT/ISA/210 (second sheet) (July 1998)