

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 January 2010 (07.01.2010)

PCT

(10) International Publication Number
WO 2010/003058 A3

(51) International Patent Classification:
A61F 2/16 (2006.01)

(21) International Application Number:
PCT/US2009/049516

(22) International Filing Date:
2 July 2009 (02.07.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/077,883 3 July 2008 (03.07.2008) US

(71) Applicant (for all designated States except US): **OCULAR OPTICS, INC.** [US/US]; 5241 Valleepark Drive, Roanoke, VA 24019 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GUPTA, Amitava** [US/US]; 5322 Fox Den Road, Roanoke, VA 24018 (US). **BLUM, Ronald, D.** [US/US]; 5320 Silver Fox Road, Roanoke, VA 24014 (US). **KOKONASKI, William** [US/US]; 1807 44th Street, NW, Gig Harbor, WA 98335 (US).

(74) Agent: **BUSCHMANN, Dana, Z.**; Townsend And Townsend And Crew, LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111 (US).

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

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

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
25 February 2010



WO 2010/003058 A3

(54) Title: SENSOR FOR DETECTING ACCOMMODATIVE TRIGGER

(57) Abstract: A sensor is provided to detect an accommodative trigger, particularly ion concentration. The sensor can send a signal to an optical component, which in turn can respond by changing optical power to focus on a near object.

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2009/049516

A. CLASSIFICATION OF SUBJECT MATTER

INV. 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)

A61F B29D

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)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	WO 2007/051171 A (MINU LLC [US]; PEYMAN GHOLAM A [US]) 3 May 2007 (2007-05-03) paragraphs [0024], [0028], [0029]; claims 1-3,5,8,11,15; figures 4-6	1-4,11, 14-16 10,13 5-8
X Y A	DE 101 55 345 A1 (FRAUNHOFER GES FORSCHUNG [DE]) 22 May 2003 (2003-05-22) paragraphs [0013], [0014]; claims 2,4,18	1,11-14, 16 10,13 2
X A	EP 1 726 272 A (WAVELIGHT LASER TECHNOLOGIE AG [DE]) 29 November 2006 (2006-11-29) paragraph [0021]; claims 1,6,9,11; figures	1,2,11, 14,16 9,10,13
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 Further documents are listed in the continuation of Box C. See patent family annex.

* 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 document but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

6 November 2009

Date of mailing of the international search report

15/12/2009

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Merté, Birgit

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2009/049516

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/050171 A (E VISION LLC [US]; BLUM RONALD D [US]; KOKONASKI WILLIAM) 11 May 2006 (2006-05-11)	1,10-16
A	paragraph [0054]; claims 1-3,7,10,13,19; figure 2A/B	2
A	----- US 5 443 506 A (GARABET ANTOINE L [US]) 22 August 1995 (1995-08-22) column 2, line 16 - column 3, line 25; figure 2a/b	1,2,9, 11-16
A	----- BLEY, HORST: "KOMPENDIUM MEDIZIN+TECHNIK" 1994, BLEY, HORST, GRÄFELFING 910075, XP002554346 page 20 - page 23 -----	2-5

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 17-20

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

The claims 17-20 are directed to active rehabilitation of accommodation, i.e. a method for treatment of the human or animal body by therapy

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery

The claims 18 & 19 additionally comprise the invasive step implanting a sensor into cytosolic communication with a ciliary muscle, in other word in the eye of a living patient

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/049516

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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.: 17-20
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
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 No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

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

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 fees, this Authority did not invite payment of additional fees.
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.:
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 and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2009/049516

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