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[Continued on next page]

(54) Title: METHOD FOR ASSESSING RESIDUAL ACCOMMODATION IN PRESBYOPIC EYES

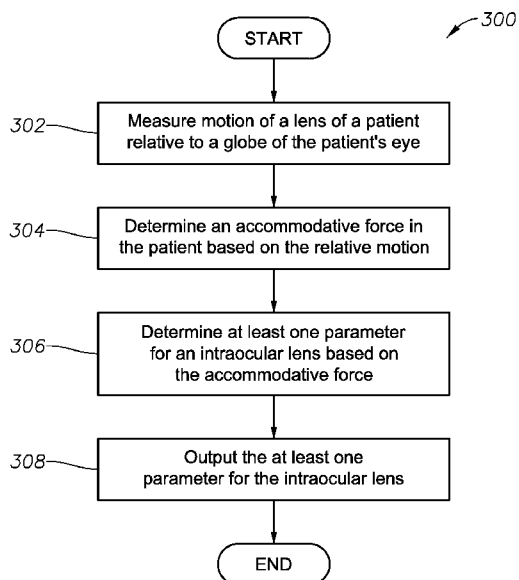


FIG. 3

(57) Abstract: A system for determining an accommodative force in a patient includes a sensor adapted to detect motion of a lens of the patient relative to a globe of the patient's eye, a controller configured to determine an accommodative force in the patient based on the relative motion and to determine at least one parameter for an intraocular lens based on the accommodative force, and an interface adapted to output the at least one parameter for the intraocular lens.



(88) Date of publication of the international search report:

5 November 2015

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/063929

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61B 3/09 (2014.01)

CPC - A61B 3/1173 (2014.12)

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(8) - G01M 11/00, 11/02, 11/08; A61B 3/09, 3/11, 3/113 (2014.01)

CPC - G01M 11/0207, 11/081; A61B 3/1173 (2014.12)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 351/209, 221; 600/587; 356/124; 623/6.13 (keyword delimited)

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

PatBase, Google Patents, Google Scholar

Search terms used: Accommodative force sensor, haptic tension force sensor, fill volume accommodation, photosensor for lens movement

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,843,188 A (MCDONALD) 01 December 1998 (01.12.1998) entire document	1-14
A	US 2008/0177170 A1 (ROBERTS et al) 24 July 2008 (24.07.2008) entire document	1-14
A	US 2012/0053459 A1 (EILERS et al) 01 March 2012 (01.03.2012) entire document	1-14
A	US 2005/0041210 A1 (ISOGAI et al) 24 February 2005 (24.02.2005) entire document	1-14
A	US 2012/0038883 A1 (PEYMAN et al) 16 February 2012 (16.02.2012) entire document	1-14
A	US 2011/0160852 A1 (MENTAK et al) 20 June 2011 (30.06.2011) entire document	1-14

☐ Further documents are listed in the continuation of Box C.

* 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 but published on or after the international filing date

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"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

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15 January 2015

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