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[Continued on next page]

(54) Title: LIQUID FORMULATION FOR OPHTHALMIC DEVICES

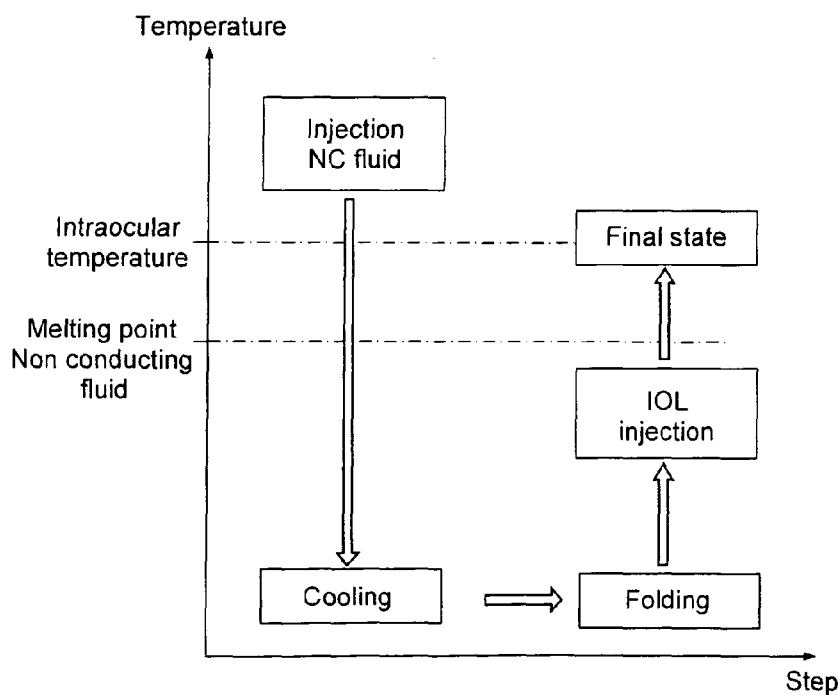


FIG.2

(57) Abstract: According to a first aspect, the invention relates to an intraocular variable focus implant comprising a non-conducting liquid with a melting temperature above 0° C, a conducting liquid, a liquid interface formed by the non-conducting and conducting liquids, a first electrode in contact with the conducting liquid, a second electrode insulated from the conducting liquid, wherein the liquid interface is movable by electro wetting according to a change in a voltage applied between the first and second electrodes.



— *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))*

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/056846

A. CLASSIFICATION OF SUBJECT MATTER

INV. G02B3/14 G02B26/00 A61F2/16 G02C7/08
ADD.

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)

G02B A61F G02C

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)

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.
Y	WO 2007/107589 A1 (VARIOPTIC SA [FR]; BERGE BRUNO [FR]; CRAEN PIERRE [FR]) 27 September 2007 (2007-09-27) cited in the application page 7, line 6 - page 13, line 12; figure 1	1-37
Y	----- US 2005/283164 A1 (WU HENRY [US] ET AL) 22 December 2005 (2005-12-22) paragraph [0026] - paragraph [0027] paragraph [0029] - paragraph [0032]; figures 1-4	1-37
Y	----- US 2007/179201 A1 (MAILLARD MATHIEU [FR] ET AL) 2 August 2007 (2007-08-02) paragraph [0039] - paragraph [0055] ----- -/-	1-34



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 application or patent but 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)

"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

14 November 2012

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21/11/2012

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/056846

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/89816 A1 (MEDENNIUM INC [US]) 29 November 2001 (2001-11-29) page 7, line 9 - page 8, line 13 -----	1-37
Y	US 4 988 352 A (POLEY BROOKS J [US]) 29 January 1991 (1991-01-29) claim 9 -----	1-37
A	US 2009/264998 A1 (MENTAK KHALID [US] ET AL) 22 October 2009 (2009-10-22) paragraph [0058] - paragraph [0061]; figures 3,5 paragraph [0063] - paragraph [0067]; figures 6, 7 paragraph [0082] -----	35-37
A	US 2003/105522 A1 (GLAZIER ALAN N [US]) 5 June 2003 (2003-06-05) paragraph [0072] - paragraph [0075]; figures 15, 16 -----	35-37

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2012/056846

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.:
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 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:

see additional sheet

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-27

Intraocular variable focus implant comprising a non-conducting liquid with a melting temperature above 0°C, a conducting liquid, a liquid interface formed by the non-conducting and conducting liquids and electrodes to move the liquid interface by electrowetting according to a change in a voltage applied between the electrodes.

2. claims: 28-34

Intraocular variable focus implant comprising a conducting liquid with a melting temperature below intraocular temperature and above 0°C, a non-conducting liquid, a liquid interface formed by the non-conducting and conducting liquids and electrodes to move the liquid interface by electrowetting according to a change in a voltage applied between the electrodes.

3. claims: 35-37

Intraocular variable focus implant comprising a conducting liquid, a non-conducting liquid, a compound forming a solid interface between the non-conducting and conducting liquids and being soluble at the intraocular temperature and electrodes to move the liquid interface by electrowetting according to a change in a voltage applied between the electrodes.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2012/056846

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2007107589 A1	27-09-2007	EP 1996968 A1 WO 2007107589 A1	03-12-2008 27-09-2007
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