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(71) Applicant (for all designated States except US): **FOR-SIGHT LABS, LLC** [US/US]; 191 Jefferson Drive, Menlo Park, CA 94025 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DE JUAN, Eugene** [US/US]; 1598 Shrader Street, San Francisco, CA 94117 (US). **REICH, Cary, J.** [US/US]; 114 Ayala Court, Los Gatos, CA 95032 (US). **BOYD, Stephen** [US/US]; 23809 Hayes Avenue, Murrieta, CA 92562 (US). **SIERRA, David** [US/US]; 460 Coyote Ridge Road, Aptos, CA 95003 (US). **ALEJANDRO, Jose, D.** [US/US]; 1054 W. McKinley Avenue, Sunnyvale, CA 94086 (US).

(74) Agents: **SHIMMICK, John, K.** et al.; Townsend And Townsend And Crew Llp, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834 (US).

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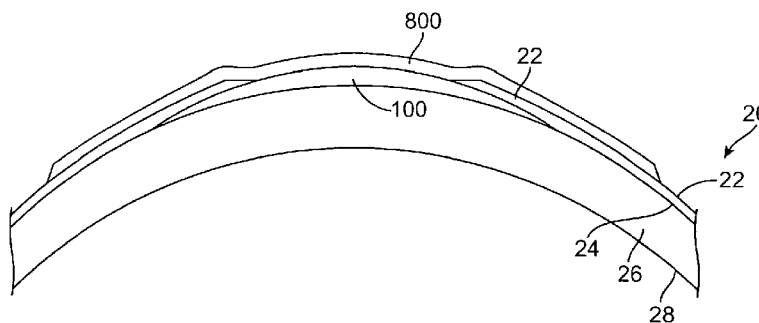


FIG. 8B

(57) Abstract: A corneal (100) only is configured to adhere to the cornea so as to inhibit epithelial growth under the onlay. Structures can be provided on the onlay to adhere the onlay to the eye. At least one of an epithelial layer or the water inhibiting layer can be provided on or over the onlay, for example a natural epithelial layer or water inhibiting layer that inhibits, for example minimizes, water penetration into the onlay, so as to adhere the onlay to the eye with pumping of the endothelium. The water inhibiting layer may comprise a therapeutic covering positioned over the onlay to inhibit swelling of the cornea. The posterior surface of the onlay may be shaped so as to fit the anterior exposed surface of the cornea.



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INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61F2/14

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/116729 A2 (COOPERVISION INTERNAT HOLDINGS [US]; MARMO J CHRISTOPHER [US] COOPervi) 8 December 2005 (2005-12-08) the whole document	1-76,86, 92, 105-155, 174-205
X	WO 02/068008 A1 (NOVARTIS AG [CH]; NOVARTIS ERFind VERWALT GMBH [AT]; COMMW SCIENT IND) 6 September 2002 (2002-09-06) the whole document	1-76,86, 92, 105-155, 174-205
X	US 2006/241751 A1 (MARMO J C [US] ET AL) 26 October 2006 (2006-10-26) claims; figures	1-76,86, 92, 105-155, 174-205

☒ 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
- *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
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- *&* document member of the same patent family

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

Authorized officer

Serra i Verdaguer, J

INTERNATIONAL SEARCH REPORT

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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 00/09042 A1 (NOVARTIS AG [CH]; NOVARTIS ERFIND VERWALT GMBH [AT]; COMMW SCIENT IND) 24 February 2000 (2000-02-24) the whole document	1-76,86, 92, 105-155, 174-205
X	US 2006/083773 A1 (MYUNG DAVID [US] ET AL) 20 April 2006 (2006-04-20) abstract	1-76,86, 92, 105-155, 174-205
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X	EP 0 434 205 A2 (ALLERGAN INC [US]) 26 June 1991 (1991-06-26) claims; figures	1-76,86, 92, 105-155, 174-205
X	US 4 810 082 A (ABEL JR ROBERT [US]) 7 March 1989 (1989-03-07) abstract	1-76,86, 92, 105-155, 174-205
X	CA 2 174 967 C (CIBA GEIGY AG [CH]; COMMW SCIENT IND RES ORG [AU] INT EPODOC Caesar ac) 14 March 2006 (2006-03-14) the whole document	1-76,86, 92, 105-155, 174-205
X	US 2005/259221 A1 (MARMO J C [US]) 24 November 2005 (2005-11-24) the whole document	1-76,86, 92, 105-155, 174-205
X	US 2004/184158 A1 (SHADDUCK JOHN H [US]) 23 September 2004 (2004-09-23) claims; figures	1-76,86, 92, 105-155, 174-205
X	WO 95/13764 A1 (CIBA GEIGY AG [CH]; COMMW SCIENT IND RES ORG [AU]; STEELE JOHN GERARD) 26 May 1995 (1995-05-26) the whole document	1-76,86, 92, 105-155, 174-205

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/039675

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.: 77-85, 87-91, 93-104, 156-173, 206-215
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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 77-85, 87-91, 93-104, 156-173, 206-215

The subject-matter of claims 77-85, 87-91, 93-104, 156-173, 206-215, discloses a method of adhering an onlay to a cornea. The method comprises the step of positioning the onlay. The International preliminary searching authority is not required to search methods for treatment of the human body by surgery or therapy (Rule 39.1(iv) PCT).

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2009/039675

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