



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/US99/17543 (22) International Filing Date: 2 August 1999 (02.08.99) (30) Priority Data: 09/127,920 3 August 1998 (03.08.98) US (71) Applicant: INSITE VISION, INCORPORATED [US/US]; 965 Atlantic Avenue, Alameda, CA 94588 (US). (72) Inventors: BOWMAN, Lyle, M.; 5135 Mount Tam Circle, Pleasant, CA 94588 (US). PFEIFFER, James, F.; 2369 Thackery Avenue, Oakland, CA 94611 (US). CLARK, Leslie, A.; 829 #B Lincoln Avenue, Alameda, CA 94501 (US). HECKER, Karl, I.; 400 Hurricane Road, Keene, NH 03431-2161 (US). (74) Agents: FREED, Joel, M. et al.; Howrey & Simon, 1299 Pennsylvania Avenue, N.W., Box 34, Washington, DC 20004-2402 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 11 May 2000 (11.05.00)
(54) Title: METHODS OF OPHTHALMIC ADMINISTRATION (57) Abstract Intrasceral injection of a therapeutic or diagnostic material at a location overlying the retina provides a minimally invasive technique for delivering the agent to the posterior segment of the eye. The procedure also allows for close proximity of the material to the targeted site and can be effectively used to treat conditions associated with the posterior segment of the eye, including macular degeneration, vein occlusion, and diabetic retinopathy. The sclera can be used to hold a depot of the material such as for sustained released or as a conduit for propelling material through whereby the material is delivered immediately to the underlying tissues but without physically penetrating the sclera with an instrument or otherwise unreasonably traumatizing the eye.		

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US 99/17543

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/00 A61K38/55 A61K38/46 A61K48/00 A61K39/395
A61P21/02

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 7 A61K 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US VERBEEK A M ET AL: "Recurrent intrascleral cyst after strabismus surgery." retrieved from STN Database accession no. 97024955 XP002130928 abstract & GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, (1996 AUG) 234 SUPPL 1 S229-31. , --- -/--	1-41



Further documents are listed in the continuation of box C.



Patent family members are listed in 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

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"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

18 February 2000

Date of mailing of the international search report

02/03/2000

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/17543

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 96 09838 A (CELTRIX PHARMACEUTICALS, INC.) 4 April 1996 (1996-04-04) page 6, line 20 -page 7, line 31; claims 1,6,15 page 15, line 1 -page 20, line 33 page 22, line 6 - line 8 -----	1-41
Y	WO 92 08406 A (THE UNIVERSITY OF ROCHESTER) 29 May 1992 (1992-05-29) cited in the application page 1, line 5 - line 12; claims 9-11; figure 5 page 3, line 9 - line 15 page 5, line 13 - line 16 -----	1-41
Y	WO 97 41844 A (ALCON LABORATORIES) 13 November 1997 (1997-11-13) page 5, line 4 - line 5; claims page 20, line 10 -page 21, line 15 page 23, line 1 - line 12 -----	1-41

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 99/17543

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 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:
Remark: Although claims 1-41 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
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 II Observations where unity of invention is lacking (Continuation of Item 2 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 fee, this Authority did not invite payment of any additional fee.
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.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 99/17543

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		AU 9062891 A	11-06-1992
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