

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 October 2002 (17.10.2002)

PCT

(10) International Publication Number
WO 2002/080811 A3

(51) International Patent Classification⁷: A61M 5/00, 35/00

(21) International Application Number: PCT/US2002/011219

(22) International Filing Date: 8 April 2002 (08.04.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/281,973 7 April 2001 (07.04.2001) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

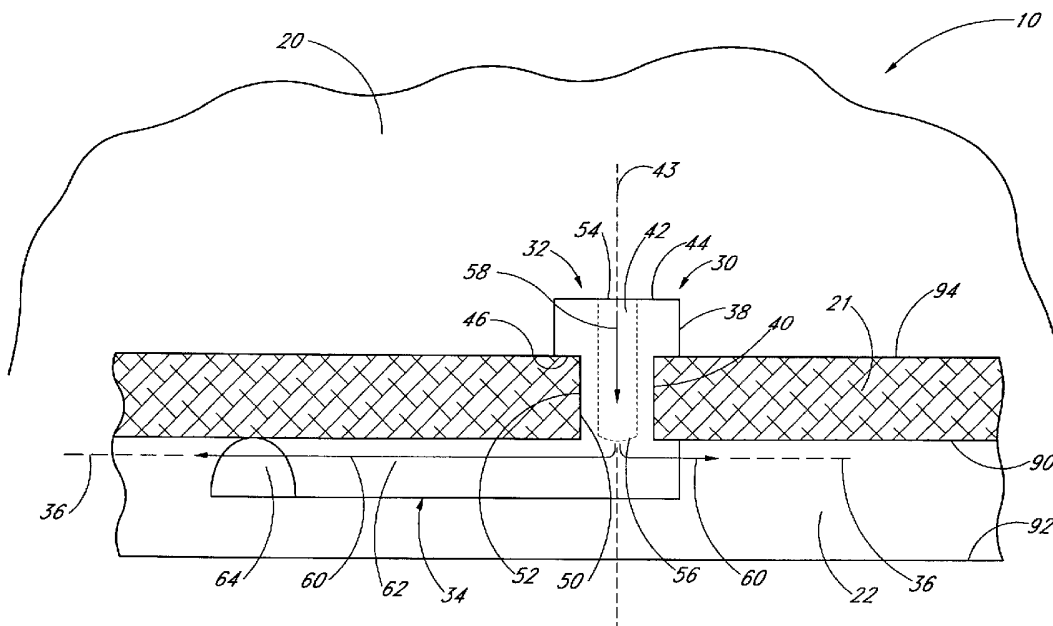
Published: — with international search report

(88) Date of publication of the international search report: 11 March 2004

(15) Information about Correction:

[Continued on next page]

(54) Title: GLAUCOMA STENT AND METHODS THEREOF FOR GLAUCOMA TREATMENT



(57) Abstract: The invention relates generally to medical devices and methods for reducing the intraocular pressure in an animal eye (10) and, more particularly, to stent type devices (30) for permitting aqueous outflow from the eye's anterior chamber (20) and associated methods thereof for the treatment of glaucoma. Some aspects provide a self-trephining glaucoma stent (30) and methods thereof which advantageously allow for a "one-step" procedure in which the incision and placement of the stent (30) are accomplished by a single device and operation. This desirably allows for a faster, safer, and less expensive surgical procedure.

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Previous Correction:

see PCT Gazette No. 15/2003 of 10 April 2003, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/11219

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61M 5/00, 35/00
 US CL : 604/8, 294

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)
 U.S. : 604/8, 294

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)
 EAST: eye, glaucoma, cut, lumen

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,092,837 A (RITCH et al) 03 March 1992 (03.03.1992), columns 4, 5.	1-2
X	US 5,868,697 A (RICHTER et al) 09 February 1999 (09.02.1999), columns 4-6.	1-2
X	US 3,788,327 A (DONOWITZ et al) 29 January 1974 (29.01.1974), column 2, lines 30-50.	1-2
Y	US 4,168,697 A (CANTEKIN) 25 September 1979 (25.09.1979), column 2, lines 40-50.	1-2
Y	US 4,936,825 A (UNGERLEIDER) 26 June 1990 (26.06.1990), column 3, lines 8-42.	1-2
Y	US 5,626,559 A (SOLOMON) 06 May 1997 (06.05.1997), column 2, lines 29-59.	1-2
X	US 5,807,302 A (WANDEL) 15 September 1998 (15.09.1998), column 3, lines 64-67, column 4, lines 1-39.	1-2
Y,E	US 6,450,984 B1 (LYNCH et al) 17 September 2002 (17.09.2002), columns 7, 8.	1-2

Further documents are listed in the continuation of Box C.

See patent family annex.

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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		

Date of the actual completion of the international search

18 September 2002 (18.09.2002)

Date of mailing of the international search report

28 MAR 2003

Name and mailing address of the ISA/US
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