

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 February 2004 (12.02.2004)

PCT

(10) International Publication Number
WO 2004/012636 A3

(51) International Patent Classification⁷: **A61F 9/007**,
A61M 5/152, 1/00

(21) International Application Number:
PCT/US2003/023397

(22) International Filing Date: 23 July 2003 (23.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/212,351 5 August 2002 (05.08.2002) US

(71) Applicant (*for all designated States except US*): **ALCON, INC.** [CH/CH]; P. O. Box 62, Bosch 69, CH-6331 Hünenberg (CH).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **CLEMENTS, Don, A.** [US/US]; 1503 Browning Lane, Cleburne, TX 76033 (US). **DARNELL, Lawrence, W.** [US/US]; 13222 King Circle, Cypress, TX 77429 (US). **DIMALANTA, Ramon, C.** [US/US]; 24 La Cueva, Rancho Santa Margarita,

CA 92688 (US). **MADDEN, Sean, C.** [US/US]; 21066 Ponderosa, Mission Viejo, CA 92692 (US). **SUSSMAN, Glenn, R.** [US/US]; 28602 Rancho Grande, Laguna Niguel, CA 92677 (US).

(74) Agents: **LEE, W., David** et al.; Alcon Research, Ltd., Mail Code Q-148, 6201 South Freeway, Fort Worth, TX 76134 (US).

(81) Designated States (*national*): AU, BR, CA, IL, JP, MX, US.

(84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

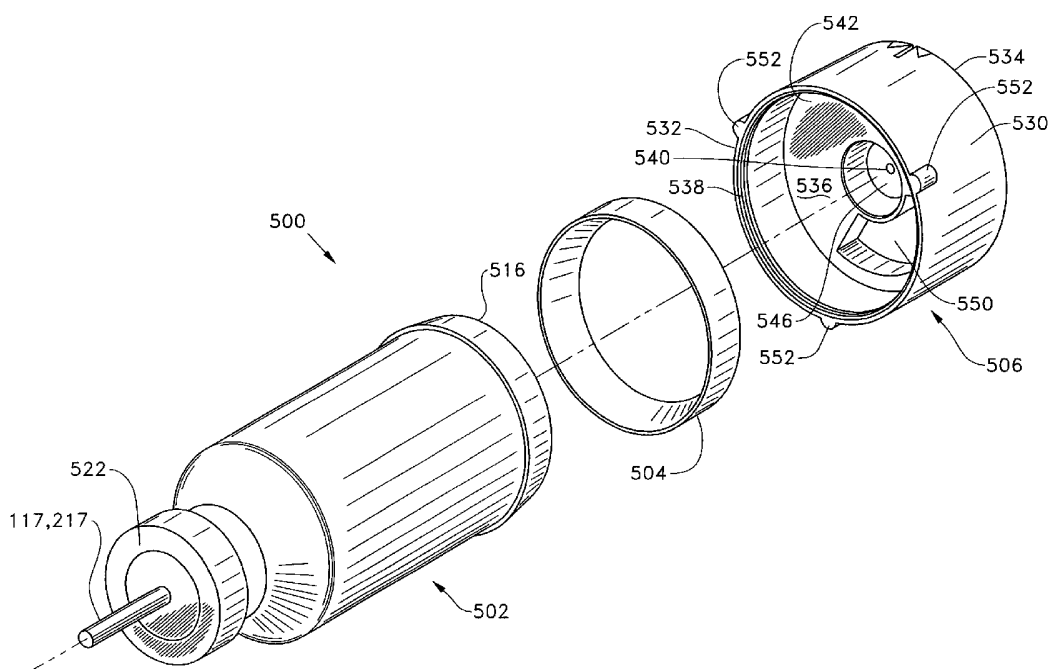
Published:

— with international search report

(88) Date of publication of the international search report:
10 June 2004

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.

(54) Title: APPARATUS FOR DELIVERY OF FLUID TO OPHTHALMIC SURGICAL HANDPIECE



(57) Abstract: An apparatus (500) for delivery of a surgical fluid to a surgical handpiece is disclosed. The apparatus generally includes a container (502) and an adapter (506) receiving one end of the container. The container holds the surgical fluid to be delivered to the handpiece. The adapter is for removably engaging a receptacle in a surgical console and for fluidly coupling with a source of pressurized fluid in a surgical console.

WO 2004/012636 A3

INTERNATIONAL SEARCH REPORT

Intern	Application No
PCT/US	03/23397

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61F9/007 A61M5/152 A61M1/00

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 A61F B05B B65D A61M

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, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 276 567 B1 (ALLEN THOMAS ET AL) 21 August 2001 (2001-08-21)	1,2,5-7
A	column 2, line 55 -column 3, line 23 column 4, line 66 -column 5, line 34; figures 1-3,10	11
A	EP 0 355 943 A (FABRICATED METALS) 28 February 1990 (1990-02-28) column 4, line 9 -column 5, line 51; figure 3	1,10
A	US 5 403 276 A (STAVE FREDERICK R ET AL) 4 April 1995 (1995-04-04) column 5, line 3 -column 6, line 18; figure 1	1,11
	-/--	

☒ 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

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

11 December 2003

Date of mailing of the international search report

19/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Ruff, C

INTERNATIONAL SEARCH REPORT

Internal Application No
PCT/us 03/23397

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 206 848 B1 (SUSSMAN GLENN ET AL) 27 March 2001 (2001-03-27) cited in the application column 6, line 17 - line 41; figure 14 -----	11

INTERNATIONAL SEARCH REPORT

Internat'l Application No

PCT/US 03/23397

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6276567	B1	21-08-2001	AU	4049500 A		16-10-2000
			EP	1210290 A1		05-06-2002
			WO	0058202 A1		05-10-2000
			US	2003080147 A1		01-05-2003
			US	2001052525 A1		20-12-2001
EP 0355943	A	28-02-1990	US	5060826 A		29-10-1991
			DE	355943 T1		28-11-1991
			EP	0355943 A2		28-02-1990
US 5403276	A	04-04-1995	AU	6172394 A		14-09-1994
			CA	2156189 A1		01-09-1994
			CN	1120805 A		17-04-1996
			EP	0686013 A1		13-12-1995
			JP	8509397 T		08-10-1996
			WO	9418894 A1		01-09-1994
			US	5669876 A		23-09-1997
			US	5643304 A		01-07-1997
			US	5685840 A		11-11-1997
			ZA	9400865 A		23-08-1994
US 6206848	B1	27-03-2001	US	6080128 A		27-06-2000
			AU	7593400 A		08-05-2001
			BR	0015019 A		18-06-2002
			CA	2382539 A1		03-05-2001
			EP	1223904 A1		24-07-2002
			JP	2003512132 T		02-04-2003
			WO	0130286 A1		03-05-2001
			US	6589204 B1		08-07-2003
			AT	248563 T		15-09-2003
			AU	727194 B2		07-12-2000
			AU	2387599 A		23-12-1999
			AU	734617 B2		21-06-2001
			AU	2387699 A		16-12-1999
			AU	726505 B2		09-11-2000
			AU	2387899 A		16-12-1999
			BR	9901768 A		11-01-2000
			BR	9901769 A		11-01-2000
			BR	9901770 A		18-01-2000
			DE	69910893 D1		09-10-2003
			EP	0962203 A1		08-12-1999
			EP	0962204 A1		08-12-1999
			EP	0962205 A1		08-12-1999
			JP	2000005219 A		11-01-2000
			JP	2000005220 A		11-01-2000
			JP	2000005221 A		11-01-2000
			US	2002077585 A1		20-06-2002
			US	5989212 A		23-11-1999
			US	5997499 A		07-12-1999
			US	6004284 A		21-12-1999
			US	2003120199 A1		26-06-2003
			US	6110162 A		29-08-2000
			US	6331171 B1		18-12-2001
			US	6196989 B1		06-03-2001
			US	2002161326 A1		31-10-2002
			US	6179805 B1		30-01-2001
			US	2001018570 A1		30-08-2001
			US	2001014785 A1		16-08-2001

