



(43) International Publication Date
3 October 2013 (03.10.2013)

(51) International Patent Classification:

A61M 5/42 (2006.01) A61M 37/00 (2006.01)
A61M 35/00 (2006.01) A61M 5/142 (2006.01)

(21) International Application Number:

PCT/GB2013/050854

(22) International Filing Date:

2 April 2013 (02.04.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1205638.8 30 March 2012 (30.03.2012) GB
1206665.0 16 April 2012 (16.04.2012) GB

(71) Applicant: **TOM ROSENBAUM LIMITED** [GB/GB];
30 Chaucer Avenue, Richmond Surrey TW9 4JJ (GB).

(72) Inventor: **Rosenbaum, Tomas**; 30 Chaucer Avenue, Richmond Surrey TW9 4JJ (GB).

(74) Agent: **BROTHERS, Christopher Michael**; Room 3, The Rufus Centre, Steppingley Road, Flitwick, Bedfordshire MK45 1AH (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,

DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- 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))

(88) Date of publication of the international search report:

5 December 2013

(54) Title: CUFF-SHAPED DRUG DELIVERY DEVICE FOR THE PENIS

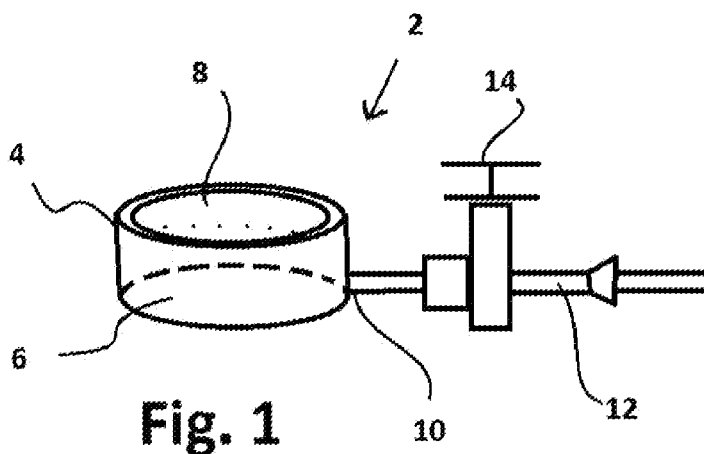


Fig. 1

(57) Abstract: Ring-shaped cuff for being placed over the penis during circumcision and in order to release anaesthetic agent through a plurality of delivery zones under increased pressure to numb the dorsal nerves of the penis.



INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2013/050854

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61M5/42 A61M35/00 A61M37/00 A61M5/142
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)
A61M A61B

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.
X	WO 2005/051476 A1 (ACRUX DDS PTY LTD [AU]; REED BARRY LEONARD [AU]; MORGAN TIMOTHY MATTHI) 9 June 2005 (2005-06-09) page 5, line 8 - page 6, line 2; figures 4-6 page 7, lines 14-24 page 17, lines 9-24	1-18
X	----- CN 102 188 277 A (JIANZHONG SHANG) 21 September 2011 (2011-09-21) figures 1-4	1-18
X	----- US 2011/046556 A1 (KRAFT JOSEPH WAYNE [US]) 24 February 2011 (2011-02-24) figures 2-4	1-18
	----- -/--	

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 7 October 2013	Date of mailing of the international search report 14/10/2013
---	--

Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Krassow, Heiko
--	--

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2013/050854

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/042635 A1 (ZHANG LEI [US] ET AL) 11 April 2002 (2002-04-11)	1-13
A	paragraphs [0007], [0008], [0035] - [0039]; figures 1-3 -----	14-18
X	WO 98/38944 A1 (UNIV TEXAS [US]) 11 September 1998 (1998-09-11)	1-13
A	page 15, lines 11-17; figures 18,19 -----	14-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2013/050854

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005051476	A1	09-06-2005	CA 2547382 A1 09-06-2005
			CN 1886171 A 27-12-2006
			EP 1694400 A1 30-08-2006
			JP 2007512052 A 17-05-2007
			US 2008226699 A1 18-09-2008
			WO 2005051476 A1 09-06-2005

CN 102188277	A	21-09-2011	NONE

US 2011046556	A1	24-02-2011	NONE

US 2002042635	A1	11-04-2002	AU 4696499 A 05-01-2000
			US 6266560 B1 24-07-2001
			US 2002042635 A1 11-04-2002
			WO 9965563 A1 23-12-1999

WO 9838944	A1	11-09-1998	AU 2721597 A 22-09-1998
			US 6406447 B1 18-06-2002
			US 2002082544 A1 27-06-2002
			WO 9838944 A1 11-09-1998
