



(51) International Patent Classification:

A61K 9/00 (2006.01) A61F 13/20 (2006.01)
A61K 9/70 (2006.01)

(21) International Application Number:

PCT/EP2009/054863

(22) International Filing Date:

23 April 2009 (23.04.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/047,117 23 April 2008 (23.04.2008) US

(72) Inventors; and

(71) Applicants : GRUNDLEHNER, Andreas [CH/CH];
Rebhusstrasse 51, CH-8126 Zumikon (CH).
MATARESE, Melissa [US/US]; 248 Hidden Pond Path,
Franklin Lakes, 07417 (US).

(74) Agents: WENGER, René et al.; Friedtalweg 5, CH-9500
Wil (CH).

(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, BR, BW, BY, BZ,
CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG,
SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (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, SE, SI, SK, TR),
OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG).

Published:

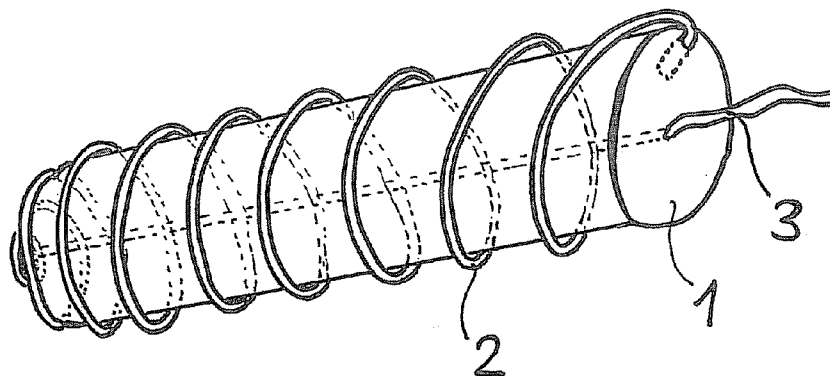
- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

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

28 October 2010

(54) Title: MEDICAL DEVICE

FIG. 3a



(57) Abstract: The present invention is related to a medical device for transvaginal delivery, comprising a flexible coil which is able to expand from a compressed state after being released so that it comes into contact with the vaginal mucosa, said coil carrying a medicament. The present invention is furthermore related to a system comprising a tampon which is wound with said medical device.

INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2009/054863

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K9/00 A61K9/70 A61F13/20
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)

A61K

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, EMBASE, BIOSIS, 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	US 6 086 909 A (HARRISON DONALD C [US] ET AL) 11 July 2000 (2000-07-11) column 1, lines 13-16 column 1, line 66 - column 2, line 4 column 2, lines 37-51 column 3, lines 21-23 column 7, lines 26-34 column 8, lines 12-15 column 12, lines 7-14, 37-49 figures 18A, 18B	1-3, 6-14
X	US 2005/080393 A1 (POLICAPPELLI NINI [US]) 14 April 2005 (2005-04-14) paragraphs [0011] - [0016], [0019] - [0020], [0035] figures 1-6 ----- -/--	1, 4, 8, 11, 14

☒ 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

"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

31 August 2010

Date of mailing of the international search report

09/09/2010

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

Schwald, Claudia

INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2009/054863

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 6 758 840 B2 (KNOX PETER [GB]) 6 July 2004 (2004-07-06) column 1, lines 3-4 column 2, line 63 - column 3, line 2 column 3, lines 16-20, 48-64 column 5, lines 19-21, 53-56 column 8, lines 1-6 column 9, lines 8-12 column 10, lines 22-28 -----	1-14
X	US 2006/240071 A1 (LERNER SIDNEY [US] ET AL) 26 October 2006 (2006-10-26) paragraphs [0010], [0011], [0030] - [0033], [0039] -----	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2009/054863

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6086909	A	11-07-2000	AU 735407 B2	05-07-2001
			AU 7697698 A	30-12-1998
			BR 9810089 A	08-08-2000
			CA 2293346 A1	17-12-1998
			CN 1263454 A	16-08-2000
			EP 0988009 A1	29-03-2000
			HK 1029914 A1	24-02-2006
			IL 133431 A	29-12-2008
			JP 2002515069 T	21-05-2002
			NZ 502120 A	26-04-2002
			US 6197327 B1	06-03-2001
			WO 9856323 A1	17-12-1998
US 2005080393	A1	14-04-2005	NONE	
US 6758840	B2	06-07-2004	AT 279230 T	15-10-2004
			AU 776434 B2	09-09-2004
			AU 4862101 A	07-11-2001
			CA 2376791 A1	01-11-2001
			CN 1383386 A	04-12-2002
			DE 60106365 D1	18-11-2004
			DE 60106365 T2	09-03-2006
			EP 1200151 A1	02-05-2002
			WO 0180937 A1	01-11-2001
			GB 2364916 A	13-02-2002
			HK 1045952 A1	01-04-2005
			JP 2003531182 T	21-10-2003
			US 2002022816 A1	21-02-2002
US 2006240071	A1	26-10-2006	WO 2007149864 A2	27-12-2007