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- (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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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.

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- 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:**  
3 June 2011

(54) **Title:** MINIMALLY INVASIVE DELIVERY DEVICE

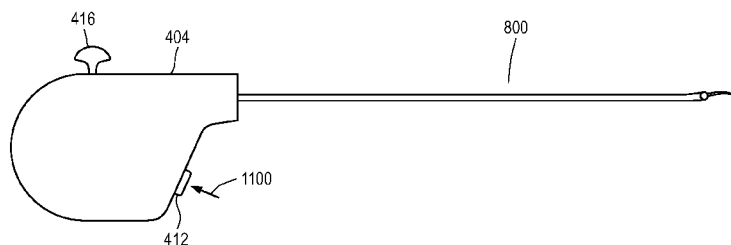


FIG. 11A

(57) **Abstract:** Embodiments of the present invention provide systems and methods for delivering a contraceptive device to an ovarian pathway. The contraceptive device is within an enclosure in a first position. In a second position, the contraceptive device is positioned at the ovarian pathway, by actuating a first actuator. The contraceptive device is then expanded and released from the delivery system by actuating a second actuator.

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INTERNATIONAL SEARCH REPORT

International application No  
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A. CLASSIFICATION OF SUBJECT MATTER  
INV. A61F6/18 A61F6/22  
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)  
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)  
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. |
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| X                                      | US 6 709 667 B1 (LOWE CHRISTIAN [US] ET AL) 23 March 2004 (2004-03-23)<br>cited in the application  | 10-20                 |
| Y                                      | paragraph [0063] - paragraph [0065]<br>paragraph [0097] - paragraph [0099];<br>figures 11-11k<br>paragraph [0092] - paragraph [0097]<br>paragraph [0106] - paragraph [0107];<br>figures 14a-14b | 1,2,9                 |
|  | -----<br>-/--   |                       |

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
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- "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
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- "&" document member of the same patent family

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| Date of the actual completion of the international search<br><br>6 April 2011  | Date of mailing of the international search report<br><br>13/04/2011 |
| Name and mailing address of the ISA/<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040,<br>Fax: (+31-70) 340-3016 | Authorized officer<br><br>Jansson Godoy, Nina                        |

## INTERNATIONAL SEARCH REPORT

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| C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |  |                           |
|--|--|---------------------------|
| Category*  | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.     |
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| X  | WO 2006/055692 A2 (PULMONX [US]; WONDKA<br>ANTHONY [US]; SOLTESZ PETER P [US]; KOTMEL<br>ROBERT) 26 May 2006 (2006-05-26)<br>paragraph [0046] - paragraph [0048];<br>figure 1<br>-----   | 10,13                     |
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

|   |
|---|
| International application No<br>PCT/US2010/048024 |
|---|

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date  |  |
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|  |                  |                         |   |  |

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9

Implant delivery device wherein the delivery catheter is wound around the spool and a first actuator is used to unwind the delivery catheter from the spool and a second actuator is used to release the implant from the release catheter.

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2. claims: 10-20

A system containing a delivery sheath and a visualization system to ensure correct positioning of the implant in the ovarian pathway.

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3. claims: 26-33

Implant delivery device wherein the release catheter is wound around the spool and a grip is provided to unwind the release catheter from the spool.

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2010/048024

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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.: 21-25, 34-36  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
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 No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

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 fees, this Authority did not invite payment of additional fees.
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 and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.