

Search query (2): [SP]: [0007] fig. 1 is an illustration of a delivery system in accordance with an embodiment of the invention.[0008] fig. 2 is a cross-sectional side view illustration of an inner catheter and handle of a delivery system in accordance with an embodiment of the invention. [0009] fig. 3 is a side view illustration of a delivery catheter and rack of a delivery system in accordance with an embodiment of the invention. [0010] fig. 4 is a cross-sectional side view illustration of an inner catheter and delivery catheter of a delivery system in a first position in accordance with an embodiment of the invention.[0011] fig. 5 is a cross-sectional side view illustration of an inner catheter and delivery catheter of a delivery system in a second position in accordance with an embodiment of the invention.[0012] fig. 6a is a cross-sectional side view illustration of a spring-loaded release mechanism, release wire, and core wire of a delivery system in a first position in accordance with an embodiment of the invention.[0013] fig. 6b is a close-up view of a delivery wire holder coupled with a spring assembly of the delivery system illustrated in fig. 6a, in accordance with an embodiment of the invention.[0014] fig. 7a is a cross-sectional side view illustration of a spring-loaded release mechanism, release wire, and core wire of a delivery system in a second position in accordance with an embodiment of the invention.[0015] fig. 7b is a close-up view of a spring assembly of the delivery system illustrated in fig. 7a, in accordance with an embodiment of the invention.[0016] fig. 8a is a side view illustration of an occlusion device and distal portion of a delivery system prior to withdrawal of a delivery catheter in accordance with an embodiment of the invention.[0017] fig. 8b is a side view illustration comparing the relative dimensions of an expanded occlusion device side-by-side with the distal portion of a delivery system prior to withdrawal of a delivery catheter in accordance with an embodiment of the invention.[0018] fig. 9a is a perspective view illustration of a wound-down self-expandable member and release wire threaded through a half band in accordance with an embodiment of the invention.[0019] fig. 9b is a cross-sectional view of the illustration of fig. 9a in accordance with an embodiment of the invention.[0020] fig. 10a is a side view illustration of an occlusion device and distal portion of a delivery system after withdrawal of a delivery catheter in accordance with an embodiment of the invention.[0021] fig. 10b is a side view illustration comparing the relative dimensions of an expanded occlusion device side-by-side with the distal portion of a delivery system after withdrawal of a delivery catheter in accordance with an embodiment of the invention.[0022] figs. 11a-11b are cross-sectional side view illustrations of withdrawing a friction fit core wire from an inner coil in accordance with an embodiment of the invention.[0023] fig. 11c is a side view illustration comparing the relative dimensions of a disengaged and expanded occlusion device side-by-side with the distal portion of a delivery system after withdrawal of the release wire and core wire in accordance with an embodiment of the invention.[0024] fig. 12 is a schematic side view illustration of spring assembly including an extension spring, damper ring, and helical track in accordance with an embodiment of the invention.[0025] fig. 13a is a side view illustration of a helical track formed in a sidewall of a bore in accordance with an embodiment of the invention.[0026] fig. 13b is a cross-sectional side view illustration of a helical track formed in a sidewall of a bore in accordance with an embodiment of the invention.[0027] fig. 14a is a top view illustration of a damper ring including one or more lugs in accordance with an embodiment of the invention.[0028] fig. 14b is a side view illustration of a damper ring including one or more lugs in accordance with an embodiment of the invention.[0029] fig. 14c is a close-up view of a lug within a helical track in accordance with an embodiment of the invention.[0030] figs. 15a-15c are schematic side view illustrations of a delivery wire holder and damper ring traveling along an axial length of a bore during linear contraction of an extension spring while the damper ring rotates about a double helical track in the bore in accordance with an embodiment of the invention.[0031] figs. 16a-16b are side view illustrations of a helical track with differing pitch angles in accordance with embodiments of the invention.[0032] fig. 17 is a side view illustration of a reduced diameter along an axial length of a bore in accordance with an embodiment of the invention.[0033] fig. 18 is an isometric view illustration of a damper ring including slots around a circumference of a tubular body of the damper ring in accordance with an embodiment of the invention.[0034] fig. 19 is a side view illustration of a spring assembly including an elastic band that couples a delivery wire holder to a handle in accordance with an embodiment of the invention. [0035] fig. 20a is a close-up view of a dampening grease within a helical track in accordance with an embodiment of the invention.[0036] fig. 20b is a side view illustration of a helical grease within a helical track in which a viscosity of the dampening grease increases along an axial length of the bore in accordance with an embodiment of the invention.[0037] fig. 21a is a close-up view of textured surfaces of a cylindrical bore, helical track, and mating surfaces of a damper ring in accordance with an embodiment of the invention.[0038] fig. 21b is a side view illustration of increased texture roughness along an axial length of the bore in accordance with an embodiment of the invention.[0039] fig. 22a is a perspective view of a self-contained modular spring assembly in accordance with an embodiment of the invention.[0040] fig. 22b is a schematic side view illustration of a self-contained modular spring assembly in accordance with an embodiment of the invention.

Results: 12

Title:

Applicator for uterine pessaries

Abstract:

Source: US4614182A The applicator for inserting a pessary into the uterus, which pessary comprises a chain combined with a distal coil screwable into the base of the uterus. The applicator has an inner shaft, which received the chain in its leading end, installed in an outer shaft and with its leading end securing the nearer of the coil in a formlocked or forcelocked manner, as well as a handle at the opposite end of the shaft whose rotation and axial displacement allow screwing the coil out of the outer shaft and into the base of the uterus to the extent of its longitudinal dimension. The ...

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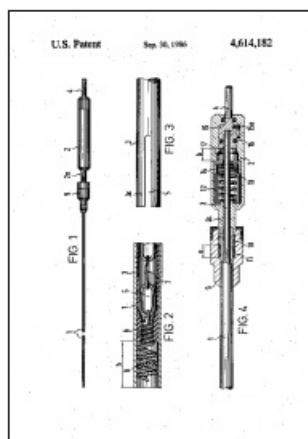
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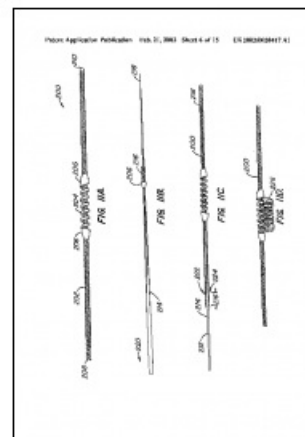
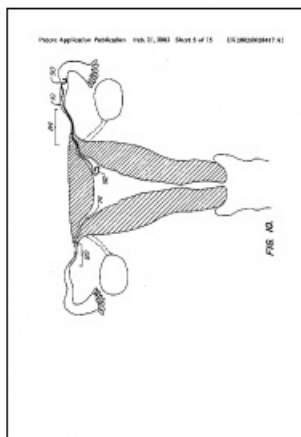
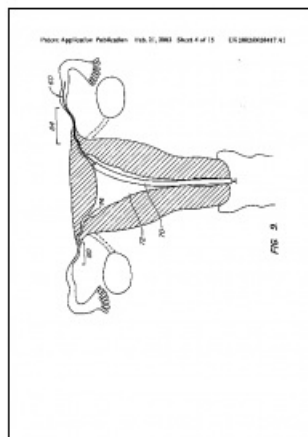
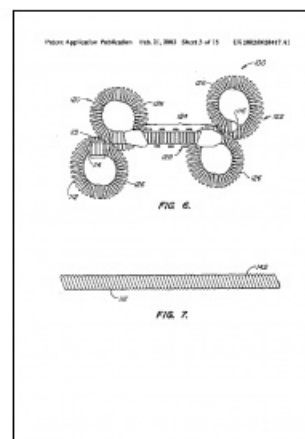
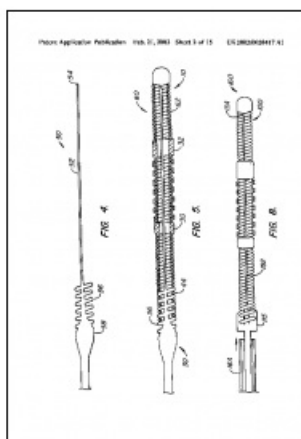
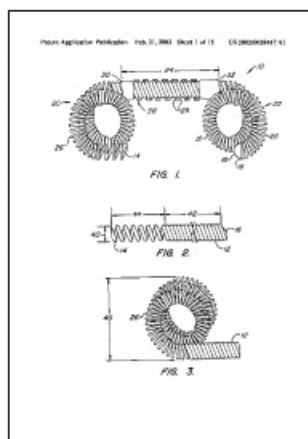
Title:
CONTRACEPTIVE
TRANSCERVICAL FALLOPIAN
TUBE OCCLUSION DEVICES
AND METHODS**Abstract:**

Source: US2002020417A The invention provides intrafallopian devices and non-surgical methods for their placement to prevent conception. The efficacy of the device is enhanced by forming the structure at least in part from copper or a copper alloy. The device is anchored within the fallopian tube by a lumen-traversing region of the resilient structure which has a helical outer surface, together with a portion of the resilient structure which is biased to form a bent secondary shape, the secondary shape having a larger cross-section than the fallopian tube. The resilient structure is ...

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Title:
DEPLOYMENT ACTUATION
SYSTEM FOR INTRAFALLOPIAN
CONTRACEPTION

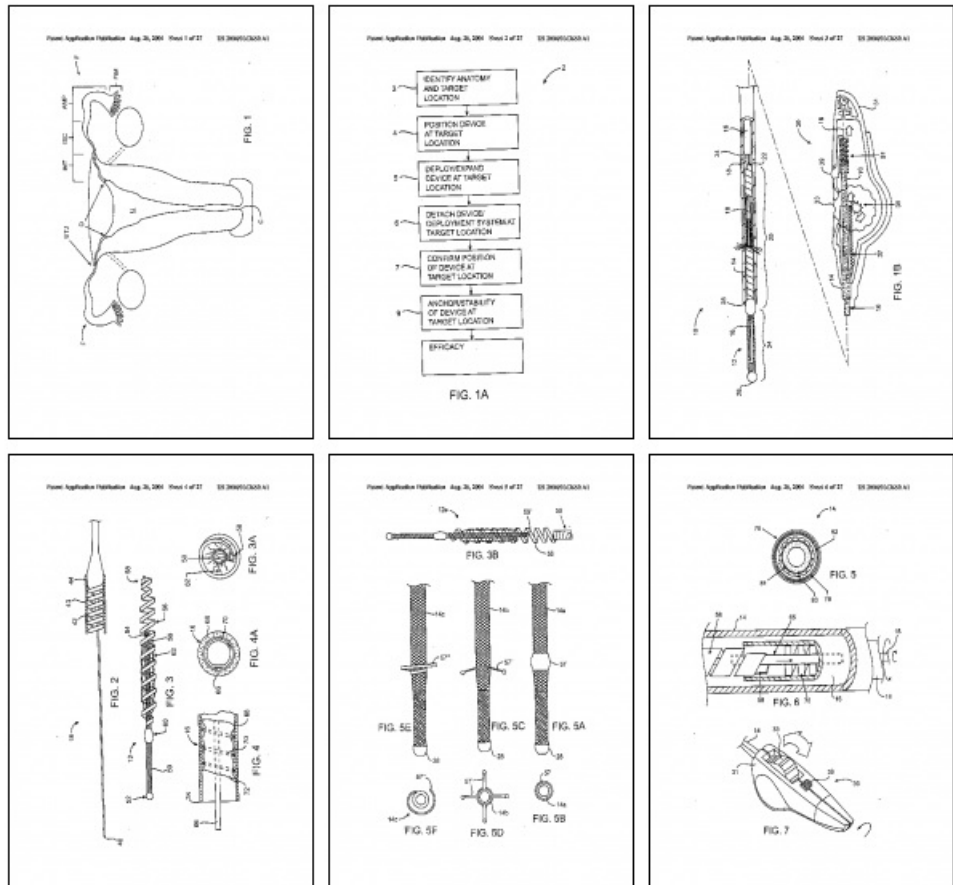
Abstract:

Source: US2004163650A
Contraceptive methods, systems, and devices generally improve the ease, speed, and reliability with which a contraceptive device can be deployed transcervically into an ostium of a fallopian tube. The contraceptive device may remain in a small profile configuration while a sheath is withdrawn proximally, and is thereafter expanded to a large profile configuration engaging the surrounding tissues, by manipulating one or more actuators of a proximal handle with a single hand. This leaves the other hand free to manipulate a hysteroscope, minimizing the number of health ...

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Title:
MINIMALLY INVASIVE
SURGICAL STABILIZATION
DEVICES AND METHODS

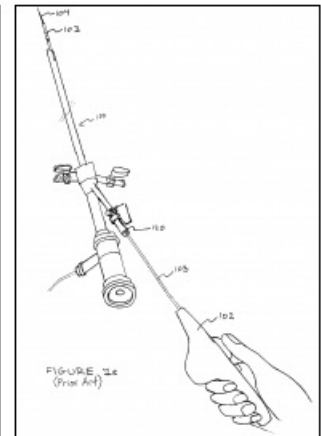
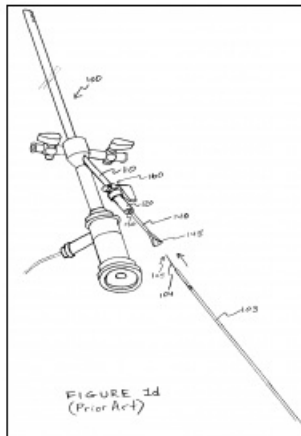
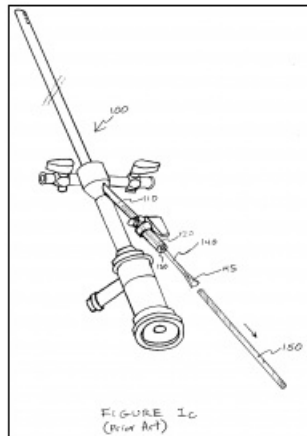
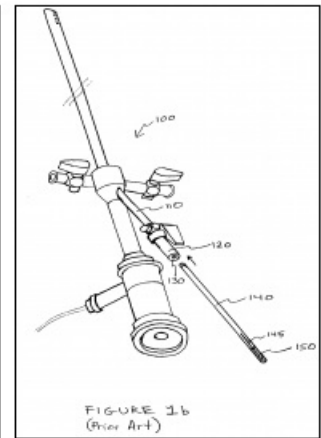
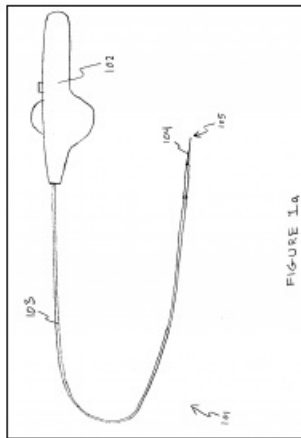
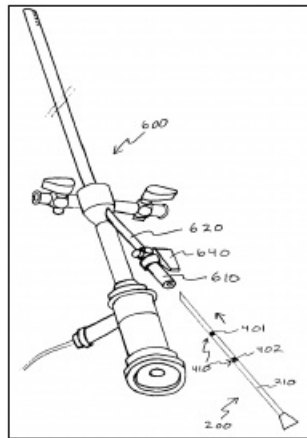
Abstract:

Source: US2006293560A The various embodiments of the present inventions provide stabilization devices and methods for use of the stabilization devices with minimally invasive gynecological procedures such as methods of preventing pregnancy by inserting intrafallopian contraceptive devices into the fallopian tubes

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Title:
 LINEAR MOTION DELIVERY
 SYSTEM FOR FEMALE
 STERILIZATION DEVICE

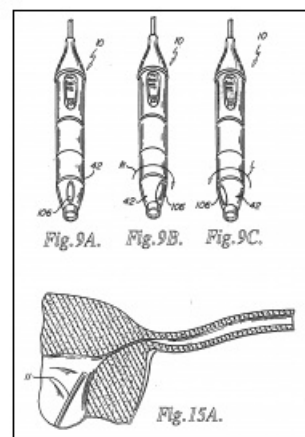
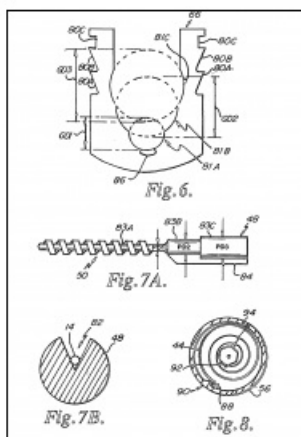
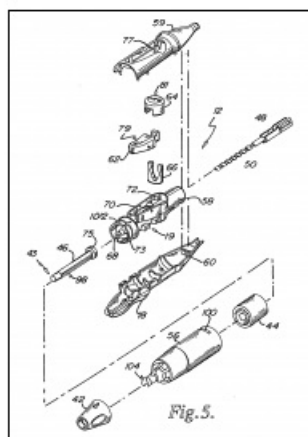
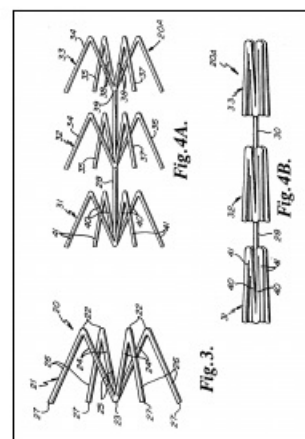
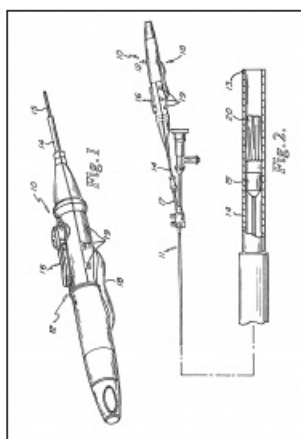
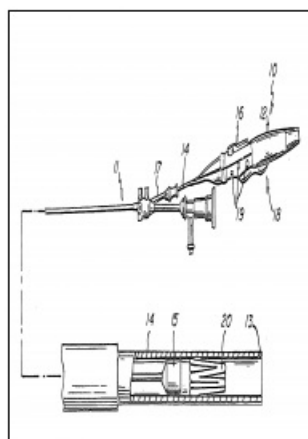
Abstract:

Source: US2007244439A A delivery system for deploying an occlusion device comprises a piston having a threaded proximal end, an elongated delivery catheter having a proximal end, a distal end, and an inner lumen extending between the proximal and distal ends of the delivery catheter, and a drive mechanism comprising an internally threaded nut member and a spring member. The piston, which is coupled at a distal end to the proximal end of the delivery catheter, is moveable between a first axial position and a second axial position. The internally threaded nut member is configured to receive ...

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Title:

Intrauterine ring placing device

Abstract:

Source: CN201042478Y An intrauterine device placer belongs to the field of contraceptive. The placer includes an intrauterine device-delivery rod connected with a handle, and is characterized in that a hollow intrauterine device-delivery sheath (1) jackets outside the intrauterine device-delivery rod (3), the hollow intrauterine device-delivery sheath (1) is arranged between an intrauterine device-delivery end of the intrauterine device-delivery rod (3) and the handle (2), an elastic intrauterine device clamping head (4) is arranged on the intrauterine device-delivery end of the intrauterine ...

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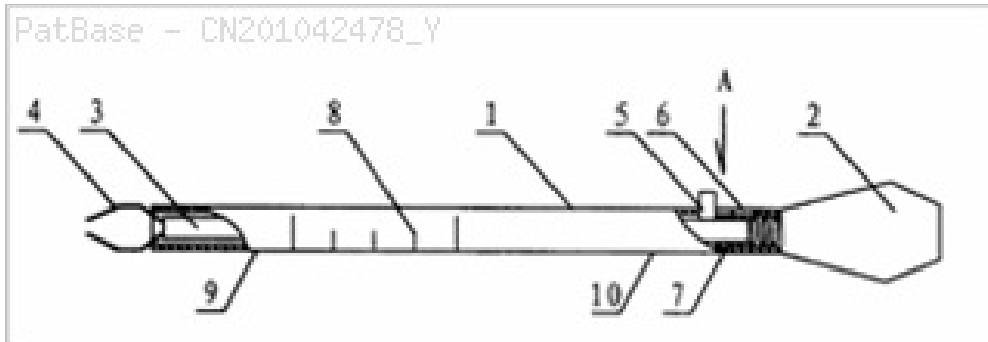
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Title:

METHODS, SYSTEMS AND DEVICES FOR PERFORMING GYNECOLOGICAL PROCEDURES

Abstract:

Source: US2008135053A
Methods, systems and devices for performing gynecological procedures. According to one embodiment, there is provided a device for occluding a fallopian tube, the device including an outer member and an inner member. The outer member may be a hollow, frusto-conical structure shaped to include an open proximal end, an open distal end, and a side wall. The outer member may be self-expandable such that the distal end is biased radially outwardly. In addition, the side wall may have a porous structure to permit the ingrowth of tissue therethrough. Tines may be provided on ...

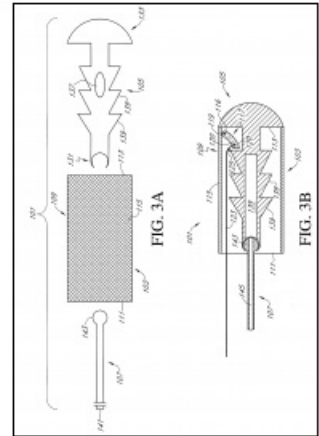
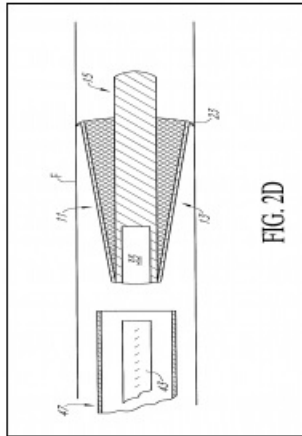
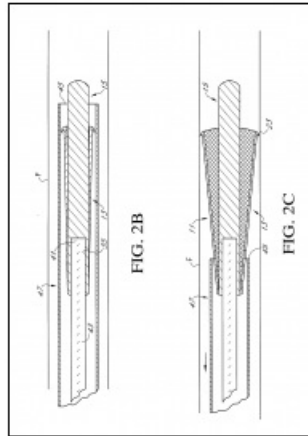
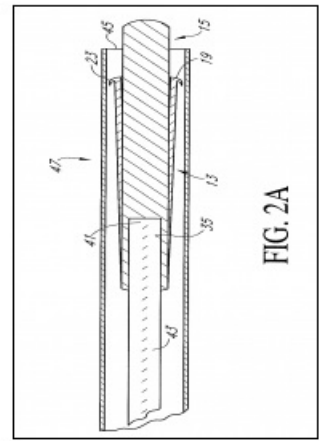
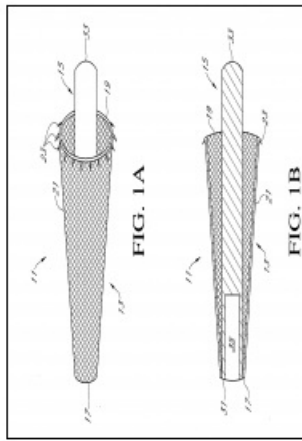
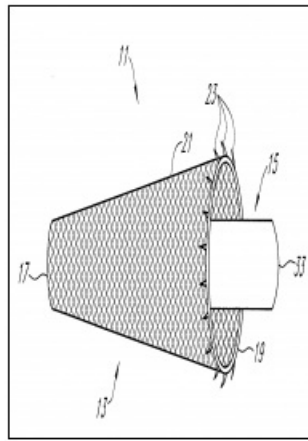
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Title:

ATRAUMATIC BALL TIP AND
SIDE WALL OPENING

Abstract:

Source: US2009036840A A delivery catheter with a plug ejection mechanism with a fluid filled actuator incorporated in the catheter handle is disclosed. After delivery of RF energy, the plug is deployed within the region of the lesion by activating the plug ejection mechanism. A delivery catheter used for female sterilization with an atraumatic ball tip and an opening in the side wall of the catheter body is disclosed. The delivery catheter includes a hinge that will yield or bend under a certain load to prevent injury to the uterine wall or fallopian tube. The side wall opening is angled to ...

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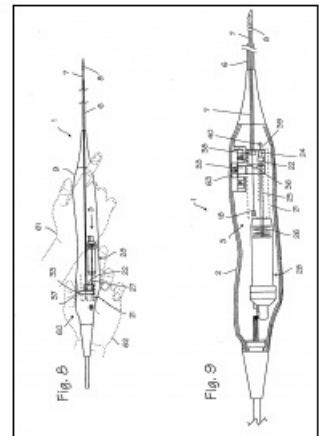
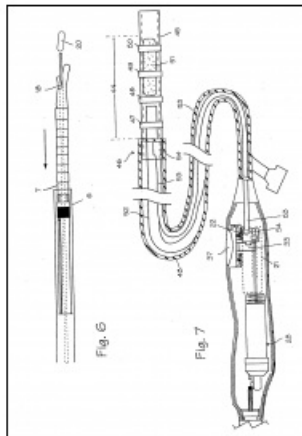
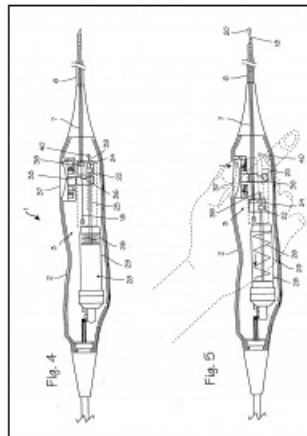
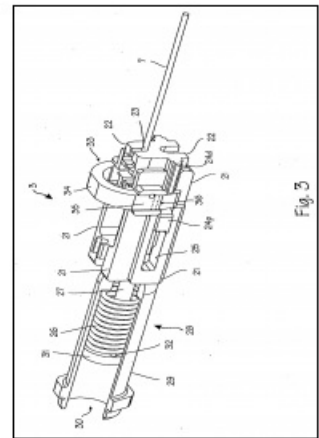
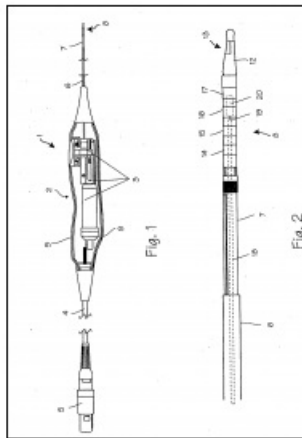
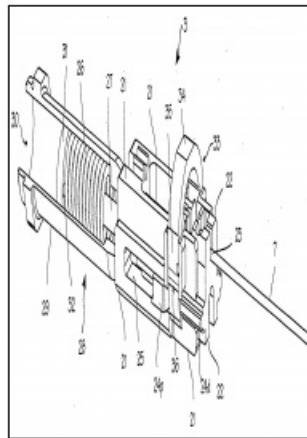
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Title:

Placer of contraceptive
suppository in oviduct

Abstract:

Source: CN101700201A The invention discloses a placer of contraceptive suppository in oviduct and comprises a placer shell, a handle is arranged at the lower part of the placer shell, a mounting block is arranged at the front end of the placer shell and is internally provided with a mounting block port, the placer shell is internally provided with a guide groove and an inner cavity, the guide groove is internally provided with a push rod handle which is mounted with a mandril, the inner cavity is internally provided with a wrench which is hinged with the placer shell and provided with a ...

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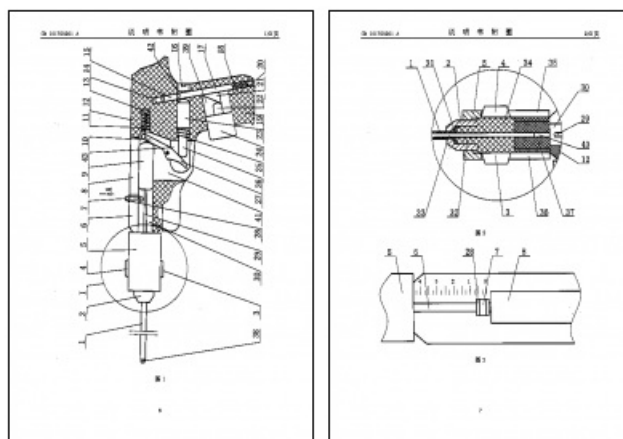
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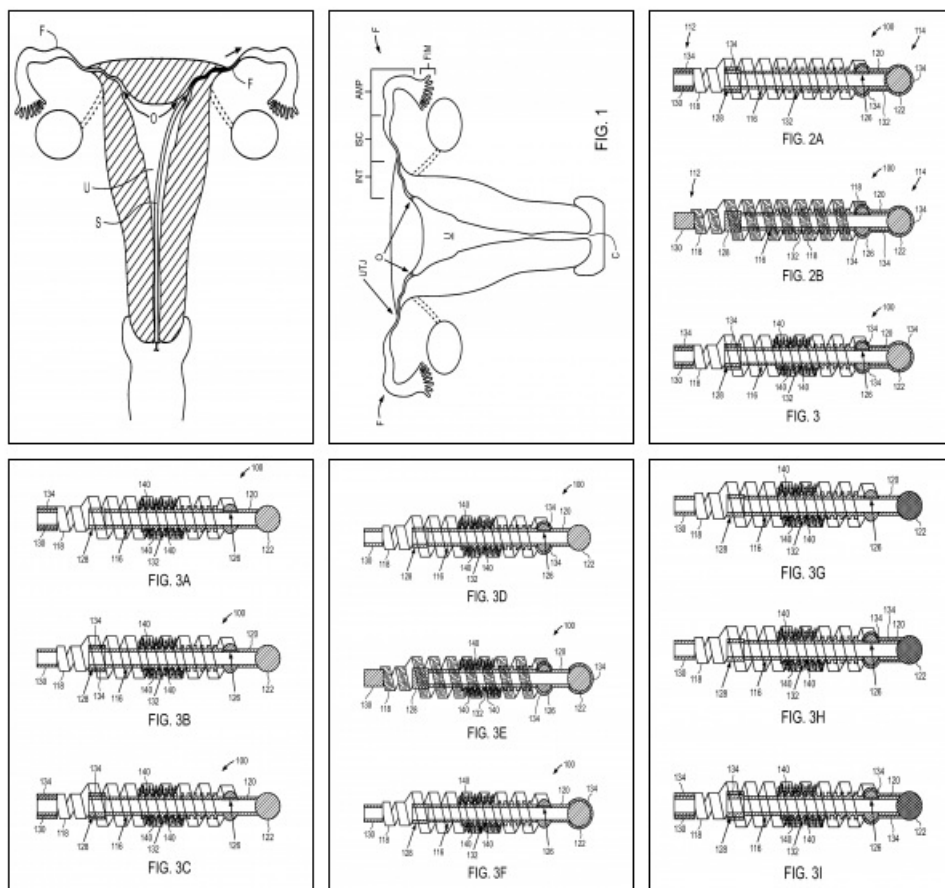
Title:
CONTRACEPTIVE DEVICES
AND METHODS**Abstract:**

Source: US2011094519A
Contraceptive devices that provide substantially immediate and permanent sterilization are described herein. Systems and methods for transcervically delivering the contraceptive devices are also described herein. The contraceptive device may include an expandable implant. The implant includes hydrogel to provide substantially immediate sterilization, and tissue in-growth fibers to provide permanent sterilization. As an alternative or in combination to hydrogel, the implant may include copper or cupric ions to provide substantially immediate sterilization. The implant ...

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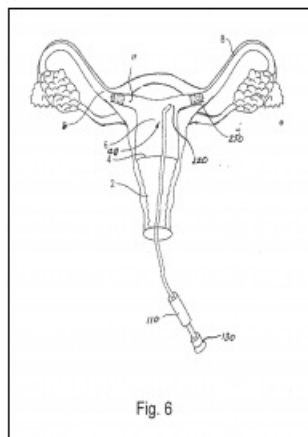
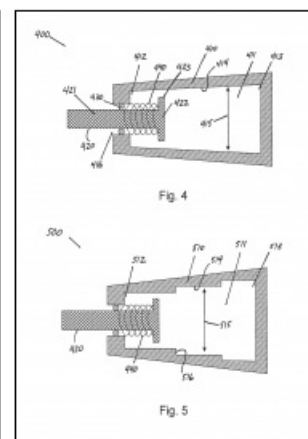
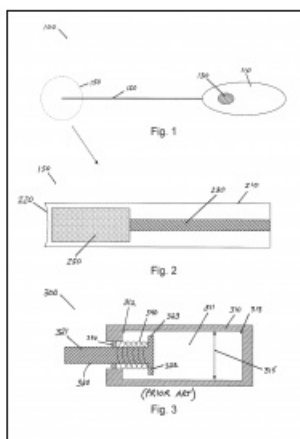
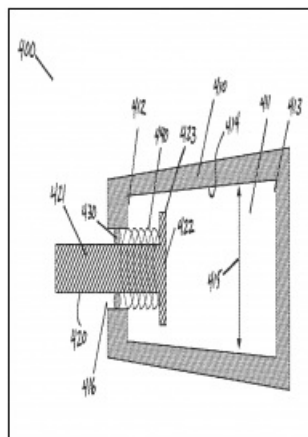
Title:
CONSTANT RATE DELIVERY
DEVICE**Abstract:**

Source: US2012216815A
Medical devices and related methods are disclosed for delivering an implant into the body of a patient. The devices include a damping assembly having an internal chamber with a varying inner diameter, and a piston slideably disposed therein. The piston is operably connected with a catheter portion such that movement of the piston is associated with concurrent movement of the catheter for implant delivery. The varying inner diameter of the damping assembly results in a decrease in damping force during implant delivery, thus providing a substantially constant velocity of ...

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PROBE INC ; GOLDMAN SACHS
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Title:IMPACT FORCE DAMPENING OF
SPRING RELEASE**Abstract:**

Source: US2015090271A A delivery system and spring assembly are disclosed. In an embodiment, the delivery system includes a spring-loaded release mechanism movable from a first position to a second position to cause withdrawal of a release wire form an occlusion device. In an embodiment, a spring assembly includes a damper ring that rotates along a helical track of a bore upon linear contraction of an extension spring in order to dampen the spring force of the extension spring.

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Assignee(s):

CONCEPTUS INC

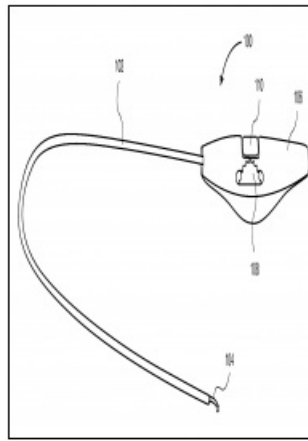


FIG. 1

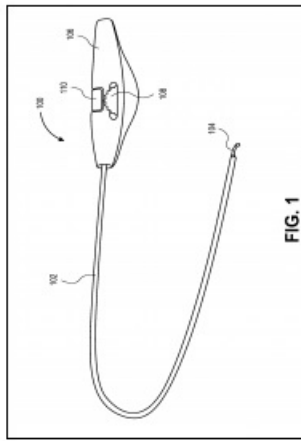


FIG. 2

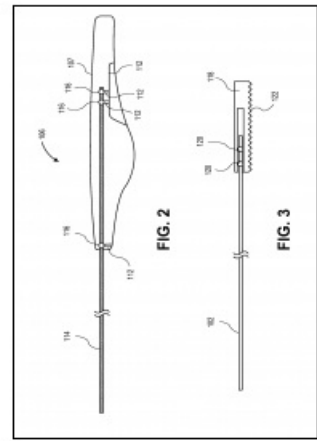


FIG. 3

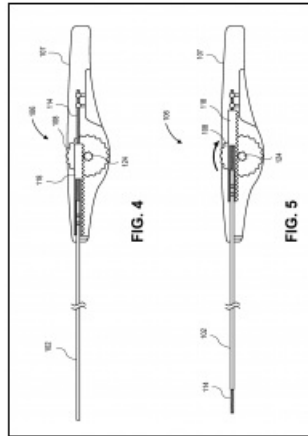


FIG. 4

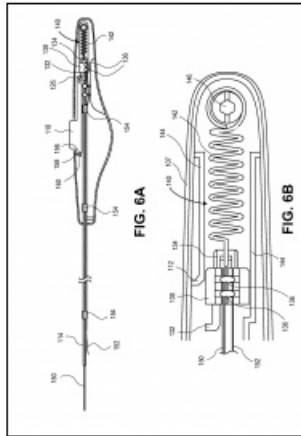


FIG. 5

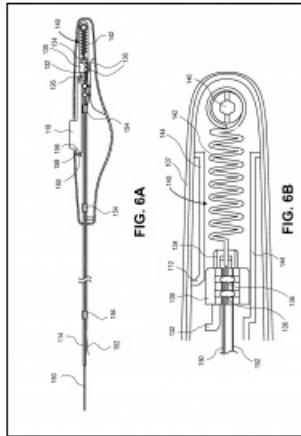


FIG. 6A

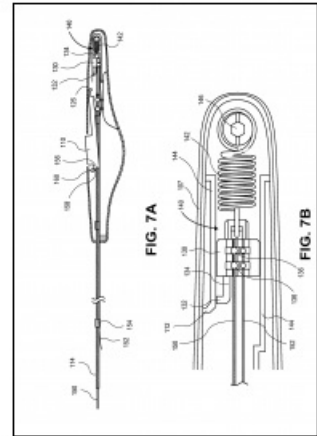


FIG. 6B

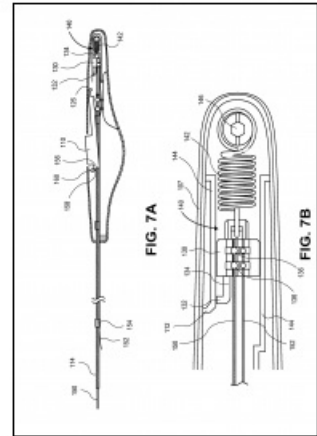


FIG. 7A

FIG. 7B

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