



New connection on: : 01-11-2018 : 04:56:33 - Last disconnection on: : 01-11-2018 : 04:55:47

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 17] ..fi epodoc

 Database: EPODOC

[EPODOC: SS 17] vagina+ and adhesive

Results in EPODOC 341

[SS 18] * and (menstru+ or fluid+)

Results in EPODOC 111

[SS 19] * and PD<20140731

Results in EPODOC 82

[SS 20] * not absorb+

Results in EPODOC 29

[SS 21] ..li



1/29 © EPODOC / EPO

PN - [CA2863632](#) A1 20130725

PNFP - CA2863632 C 20170711

PR - US201261588350P 20120119; WO2012US24344 20120208; WO2012US69882 20121214; WO2013US22387 20130121

AP - CA20132863632 20130121

DT - I

CCI - [A61K9/0034](#) ; [A61K9/5138](#) ; [A61K9/5146](#) ; [A61K9/5153](#) ; [A61K31/704](#)

CUI - [A61K9/0014](#) ; [A61K9/0031](#) ; [A61K9/0048](#) ; [A61K9/51](#)

CCA - [Y10S977/773](#) ; [Y10S977/906](#)

PA - (A1 C)

UNIV JOHNS HOPKINS [US]

- TI - (A1 C)
NANOPARTICLE FORMULATIONS WITH ENHANCED MUCOSAL PENETRATION
- AB - (A1 C)
Hypotonic formulations were evaluated for delivering water-soluble drugs and for drug delivery with muco-inert (that is, non-**adhesive**) mucus-penetrating nanoparticles (MPP). Hypotonic formulations markedly increased the rate at which drugs and MPP reached the epithelial surface, including deep into the **vaginal** folds. Minimally hypotonic formulations, preferably ranging from 20-220 mOsm/kg, provided rapid and uniform delivery of MPP to the entire **vaginal** surface, with minimal risk of epithelial toxicity. Data also show that there is a higher osmolality in the colon, such that vehicles with an osmolality above that of blood plasma (generally considered isotonic at ~300 mOsm/kg), still lead to improvements in distribution in the colon due to rapid, osmotically-induced **fluid** absorption. The range for improved colon distribution with a hypotonic vehicle in the colon is ~20 mOsm/kg-450 mOsm/kg.

2/29 © EPODOC / EPO

- PN - [US2014066974](#) A1 20140306
- PR - KR20110045559 20110516; WO2011KR09289 20111202
- AP - US201114118226 20111202
- DT - *; Rep
- CT - || R141 (A1)
[US2002029071](#) A1 [];
[US2005070977](#) A1 [];
[US2006173514](#) A1 [];
[US2006206173](#) A1 [];
[US7210817](#) B2 [];
[US2007156208](#) A1 [];
[US2009030489](#) A1 [];
[US2009105791](#) A1 [];
[US2010087898](#) A1 [];
[US2010121297](#) A1 [];
[WO2010087559](#) A1 []
- CTNP - || R141 (A1)
[] O'Mara, W.C. Herring, R.B. Hunt, L.P.. (1990). Handbook of Semiconductor Silicon Technology - 6.1 Introduction. William Andrew Publishing/Noyes.
[] Hull, Robert. (1999). Properties of Crystalline Silicon - 8.2 Piezoresistance of c-Si. Institution of Engineering and Technology.
- CCI - [A61N5/0613](#)
- CCA - [A61N2005/0611](#) ; [A61N2005/0645](#) ; [A61N2005/0663](#)
- PA - PARK KYONG JUN [KR]; COLOR SEVEN CO LTD [KR]
- TI - **MENSTRUAL** PAIN TREATMENT DEVICE
- AB - The present invention relates to a **menstrual** pain treatment device, which is used by being brought into close contact with a **menstrual** pain treatment area of the body or by

being attached to a color light treatment area of the body using a double-sided **adhesive** tape or a hydro gel pad, and which comprises a pad- or patch-shaped main body for accommodating a battery and a PCB having a light source, a light source operation controller, and a treatment device operation button. The present invention treats **menstrual** pain by concentrating a colored light for treats **menstrual** pain by concentrating a colored light for treating **menstrual** pain on the **menstrual** pain treatment area of the body through the light emitting outlet in the patch-shaped main body. Since the present invention has the shape of a pad or patch, the present invention can be used by being attached to an underwear, a belt, or a pressurizing band, or by being brought into close contact with the **menstrual** pain treatment area of the body by being tied to that area with a string. In addition, since the present invention, being in close contact with the **menstrual** pain treatment area of the body, concentrates a colored light having a wavelength range specified for the treatment of **menstrual** pain, the present invention can be expected to have a **menstrual** pain treatment effect, while completely eliminating the hygienic issues of a conventional **menstrual** pain treatment device inserted into the **vagina**.

3/29 © EPODOC / EPO

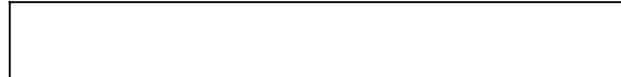
PN - [CN103533987](#) A 20140122

PR - WO2011KR09289
20111202; KR20110045559
20110516

AP - CN20118070858 20111202

DT - I

CT - || STSE (A)
[US2007129613](#) A1 20070607
[A] (ROCHESTER KATIE [GB], et al)
[A] 1-9
* 全文 *;
[US6471716](#) B1 20021029
[A] (PECUKONIS JOSEPH P [US])
[A] 1-9
* 全文 *;
[CN2683170Y](#) Y 20050309 [A] (YU
XUEFEI [CN])
[A] 1-9
* 全文 *;
[CN101972518](#) A 20110216
[X] (HEBEI SHIJITONG MEDICAL
UTENSILS CO LTD)
[X] 1-9
* 权利要求7, 说明书第[0029]
-[0031]段, 附图1-5 *;
[US2010256541](#) A1 20101007
[A] (PRYOR BRIAN [US], et al)
[A] 1-9
* 全文 *;
[KR20010019454](#) A 20010315



[A] (KIM JE IK [KR])
 [A] 1-9
 * 全文 *;
[CN101939049](#) A 20110105
 [A] (MEDIRUNE CO LTD)
 [A] 1-9
 * 全文 *;
[WO2006006655](#) A1 20060119
 [A] (MYCOAL PROD CORP [JP], et al)
 [A] 1-9
 * 全文 *;
[US2006173514](#) A1 20060803
 [Y] (BIEL MERRILL A [US], et al)
 [Y] 1-8
 * 说明书第[0028]-[0057]段, 附图1-4 *;
[US2005237739](#) A1 20051027
 [Y] (LEE KIAN S [MY], et al)
 [Y] 1-8
 * 说明书第[0023]-[0056]段, 附图1-5 *

- CCI - [A61N5/0613](#)
- CCA - [A61N2005/0611](#) ;
[A61N2005/0645](#) ;
[A61N2005/0663](#)
- PA - COLOR SEVEN CO LTD; JIN NANJUN
- TI - **Menstrual** pain treatment device
- AB - The present invention relates to a **menstrual** pain treatment device, which is used by being brought into close contact with a **menstrual** pain treatment area of the body or by being attached to a color light treatment area of the body using a double-sided **adhesive** tape or a hydro gel pad, and which comprises a pad- or a patch-shaped main body for accommodating a battery and a PCB having a light source, a light source operation controller, and a treatment device operation button. The present invention treats **menstrual** pain by concentrating a colored light for treating **menstrual** pain on

the **menstrual** pain treatment area of the body through the light emitting outlet in the patch-shaped main body. Since the present invention has the shape of a pad or patch, the present invention can be used by being attached to an underwear, a belt, or a pressurizing band, or by being brought into close contact with the **menstrual** pain treatment area of the body by being tied to that area with a string. In addition, since the present invention, being in close contact with the **menstrual** pain treatment area of the body, concentrates a colored light having a wavelength range specified for the treatment of **menstrual** pain, the present invention can be expected to have a **menstrual** pain treatment effect, while completely eliminating the hygienic issues of a conventional **menstrual** pain treatment device inserted into the **vagina**.

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PN - [CN203123020U](#) U 20130814

PR - CN20132144156U 20130327

AP - CN20132144156U 20130327

DT - I

PA - WANGTAIHUA

TI - **Menstruation** blood stem cell collector

AB - The utility model relates to a **menstruation** blood stem cell collector which comprises a base at the bottom and a nipple type collector body with an opening at the upper part. Optimally, the base of the collector is provided with a ventilation anti-allergy **adhesive** tape. Optimally, the outer side wall of the collector body is vertically provided with volume scale marks. When the **menstruation** blood is collected, a female vulva is firstly sterilized, the vulva part and a **vaginal** orifice are wiped by using an ozone-water wet tissue, and then the ozone-water wet tissue is externally applied to the vulva part for 5 to 10 minutes for disinfection; after the sterilization of the above step, the opening of the **menstruation** blood stem cell collector is placed at the **vaginal** orifice, so that **menstruation** blood discharged from the vulva flows into the collector naturally. The **menstruation** blood stem cell collector does not cause wound to the female vulva,

is convenient to use, is not easy to pollute and low in cost, and provides high-quality guarantee for the extracting of stem cells next step.

5/29 © EPODOC / EPO

- PN - [CN103143071](#) A 20130612
- PR - CN20131101552 20130327
- AP - CN20131101552 20130327
- DT - I
- CT - || STSE (A)
[CN201710723U](#) U 20110119 [Y] (WEI ZHANG)
[Y] 1-3
说明书第[0012]-[0013]段和附图1
[CN101797403](#) A 20100811 [XY] (UNIV ZHENGZHOU)
[X] 1-4
参见说明书第0023-0027段和附图1
[Y] 1-4
[US2003120178](#) A1 20030626 [A] (HEKI YUKIO [JP])
[A] 1-4
全文
[CN202426527U](#) U 20120912 [A] (TIANJIN MD PACIFIC TECHNOLOGY CO LTD)
[A] 1-4
全文
[CN201602960U](#) U 20101013 [A]
[A] 1-4
全文
[CN201617991U](#) U 20101103 [A] (UNIV ZHENGZHOU)
[A] 1-4
全文
[CN203123020U](#) U 20130814 [R] (WANG TAIHUA)
[R] 2-4
权利要求1-3
- PA - WANG TAIHUA
- TI - **Menstruation** stem cell collecting method and collecting vessel of **menstruation** stem cells
- AB - The invention discloses a **menstruation** stem cell collecting method and a collecting vessel of **menstruation** stem cells. The **menstruation** stem cell collecting method for collecting **menstruation** during the female **menstrual** period comprises the following steps of: firstly, carrying out sterilization treatment on the female vulva, wherein the vulva parts and **vaginal** orifice are wiped with an ozone water wet tissue, and the ozone water wet tissue is externally applied to the vulva parts for sterilizing for 5 minutes to 10 minutes; and secondly, after the sterilization in the last step, placing an opening of the **menstruation** stem cell collecting vessel at the **vaginal** orifice and closely fixing a breathable allergy-free **adhesive** strip to the skin, so that the **menstruation** discharged from the **vagina** naturally flows into the collector without injuring the female vulva parts, and therefore, the **menstruation** stem cell collecting vessel is convenient to use, unlikely to be contaminated, low in cost and capable of providing high-quality guarantee for subsequently extracting the stem cells.

PN - [WO2013110028](#) A1 20130725

PR - WO2012US24344 20120208; US201261588350P 20120119; WO2012US69882 20121214

AP - WO2013US22387 20130121

DT - *; Rep

CT - |EP| ISR (A1)
[XP002698580](#) A[XY];
[XP055065981](#) A[X];
[XP009061728](#) A[Y];
[XP019730960](#) A[Y];
[US2008166414](#) A1 20080710 [Y] (HANES JUSTIN [US], et al)
[Y] 15-17,19,20
* page 20, paragraph 10 *

CTNP - |EP| ISR (A1)
[XY] - EYLES ET AL., "The transfer of polystyrene microspheres from the gastrointestinal tract to the circulation after oral administration in the rat.", J. PHARM. PHARMACOL., (1995), vol. 47, pages 561 - 565, XP002698580
[X] 1,2,4,7-14
* abstract;; table 3 *
[Y] 3,5,6,15-17,19,20
[X] - J L LEMOINE ET AL, "Mechanism of efficient transfection of the nasal airway epithelium by hypotonic shock", GENE THERAPY, (20050801), vol. 12, no. 16, doi:[10.1038/sj.gt.3302548](#), ISSN 0969-7128, pages 1275 - 1282, XP055065981
[X] 1,2,4,8-13,18
* abstract;; figure 1 *
[Y] - GREF R ET AL, "'STEALTH' CORONA-CORE NANOPARTICLES SURFACE MODIFIED BY POLYETHYLENE GLYCOL (PEG): INFLUENCES OF THE CORONA (PEG CHAIN LENGTH AND SURFACE DENSITY) AND OF THE CORE COMPOSITION ON PHAGOCYTIC UPTAKE AND PLASMA PROTEIN ADSORPTION", COLLOIDS AND SURFACES. B, BIOINTERFACES, ELSEVIER, AMSTERDAM, NL, (20000101), vol. 18, no. 3/04, doi:[10.1016/S0927-7765\(99\)00156-3](#), ISSN 0927-7765, pages 301 - 313, XP009061728
[Y] 3,5,6
* points 2.2, 3.2; page 310 *
[Y] - YAN SHENG ET AL, "In vitro macrophage uptake and in vivo biodistribution of PLA-PEG nanoparticles loaded with hemoglobin as blood substitutes: effect of PEG content", JOURNAL OF MATERIALS SCIENCE: MATERIALS IN MEDICINE, KLUWER ACADEMIC PUBLISHERS, BO, (20090414), vol. 20, no. 9, doi:[10.1007/S10856-009-3746-9](#), ISSN 1573-4838, pages 1881 - 1891, XP019730960
[Y] 3,5,6
* points 2.2, 3.1 *

CCI - [A61K9/0034](#) ; [A61K9/5138](#) ; [A61K9/5146](#) ; [A61K9/5153](#) ; [A61K31/704](#)

CUI - [A61K9/0014](#) ; [A61K9/0031](#) ; [A61K9/0048](#) ; [A61K9/51](#)

CCA - [Y10S977/773](#) ; [Y10S977/906](#)

PA - UNIV JOHNS HOPKINS [US]

- TI - NANOPARTICLE FORMULATIONS WITH ENHANCED MUCOSAL PENETRATION
- AB - Hypotonic formulations were evaluated for delivering water-soluble drugs and for drug delivery with muco-inert (that is, non-**adhesive**) mucus-penetrating nanoparticles (MPP). Hypotonic formulations markedly increased the rate at which drugs and MPP reached the epithelial surface, including deep into the **vaginal** folds. Minimally hypotonic formulations, preferably ranging from 20-220 mOsm/kg, provided rapid and uniform delivery of MPP to the entire **vaginal** surface, with minimal risk of epithelial toxicity. Data also show that there is a higher osmolality in the colon, such that vehicles with an osmolality above that of blood plasma (generally considered isotonic at ~300 mOsm/kg), still lead to improvements in distribution in the colon due to rapid, osmotically-induced **fluid** absorption. The range for improved colon distribution with a hypotonic vehicle in the colon is ~20 mOsm/kg-450 mOsm/kg.

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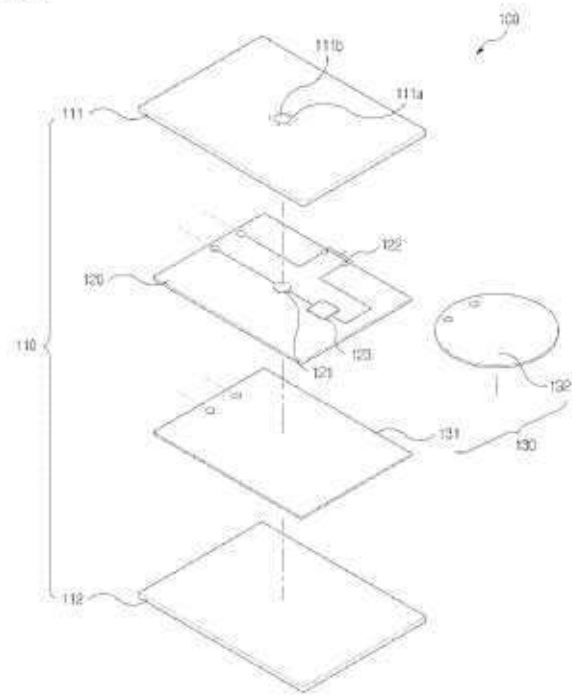
- PN - [CN102836139](#) A 20121226
- PR - CN20121351275 20120920
- AP - CN20121351275 20120920
- DT - I
- CT - || STSE (A)
[CN101574321](#) A 20091111 [Y] (SHANGHAI PUKANG PHARMACEUTICAL [CN])
 [Y] 1-8
 说明书第1页第3段,第2页第2段,第6段
[CN1586497](#) A 20050302 [Y] (CHENG YUEFA [CN])
 [Y] 8
 权利要求6,说明书第3页第7-16行,第5页第16-20行
[CN101406463](#) A 20090415 [Y] (SHIFENG WANG [CN])
 [Y] 1-8
 说明书第1页第16-20行,第27-29行,第33-35行,第2页第33-42行
- PA - SHANDONG FANGMING PHARM GROUP
- TI - Compound ketoconazole **vaginal** effervescent tablet and preparation method thereof
- AB - The invention discloses a compound ketoconazole **vaginal** effervescent tablet and a preparation method thereof. The compound ketoconazole **vaginal** effervescent tablet is a long-acting **adhesive** compound preparation used in a female **vagina**, which contains three main drugs, namely ketoconazole, metronidazole and chlorhexidine acetate. The compound ketoconazole **vaginal** effervescent tablet is rapidly diffused and can be adhered to a **vaginal** membrane for a long time, and the drugs are continuously released, so the defect that an ordinary **vaginal** tablet is released slowly or needs to be dosed for multiple times is avoided. The innovative points of the preparation process lie in that the three main drugs are granulated and packaged with a special auxiliary material, namely hydroxypropyl methylcellulose, are dried and are then granulated with other auxiliary materials, and due to the adhesiveness of the hydroxypropyl methylcellulose, the main drugs can be adhered to the **vaginal** membrane to be slowly released after the tablet is disintegrated in the **vagina**; and then an acid source and an alkali source are adopted to be firstly and respectively granulated and packaged by using a high-concentration povidone ethanol solution, and are then respectively mixed with a half of the other raw auxiliary materials to be granulated, so the tablet can be rapidly disintegrated under the action of body **fluid** after being put into the **vagina**, and

the phenomenon that the acid is directly contacted with the alkali to react, which enables the preparation to be unstable to influence the curative effect, can be prevented. The invention provides the compound ketoconazole **vaginal** effervescent tablet which has the advantages of simple process, quick acting, lasting effect and good clinical effect, and the preparation method thereof.

8/29 © EPODOC / EPO

- PN - [WO2012157828](#) A1 20121122
- PR - KR20110045559 20110516
- AP - WO2011KR09289 20111202
- DT - **
- CT - [KR] ISR (A1)
[US2010256541](#) A1 20101007
 [A] (PRYOR BRIAN [US], et al);
[US2007129613](#) A1 20070607
 [A] (ROCHESTER KATIE [GB], et al);
[US6471716](#) B1 20021029
 [A] (PECUKONIS JOSEPH P [US]);
[WO2006006655](#) A1 20060119
 [A] (MYCOAL PROD CORP [JP], et al)
- CCI - [A61N5/0613](#)
- CCA - [A61N2005/0611](#) ;
[A61N2005/0645](#) ;
[A61N2005/0663](#)
- PA - COLOR SEVEN CO LTD [KR]; KIM NAM GYUN [KR]; PARK KYONG JUN [KR]
- TI - **MENSTRUAL PAIN TREATMENT DEVICE**
- AB - The present invention relates to a **menstrual** pain treatment device, which is used by being brought into close contact with a **menstrual** pain treatment area of the body or by being attached to a color light treatment area of the body using a double-sided **adhesive** tape or a hydro gel pad, and which comprises a pad- or a patch-shaped main body for accommodating a battery and a PCB having a light source, a light source operation controller, and a treatment device operation button. The present invention

[Fig. 1]



treats **menstrual** pain by concentrating a colored light for treating **menstrual** pain on the **menstrual** pain treatment area of the body through the light emitting outlet in the patch-shaped main body. Since the present invention has the shape of a pad or patch, the present invention can be used by being attached to an underwear, a belt, or a pressurizing band, or by being brought into close contact with the **menstrual** pain treatment area of the body by being tied to that area with a string. In addition, since the present invention, being in close contact with the **menstrual** pain treatment area of the body, concentrates a colored light having a wavelength range specified for the treatment of **menstrual** pain, the present invention can be expected to have a **menstrual** pain treatment effect, while completely eliminating the hygienic issues of a conventional **menstrual** pain treatment device inserted into the **vagina**.

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PN - [RU2464965](#) C1 20121027

PR - RU20110140561 20111006

AP - RU20110140561 20111006

DT - I

PA - OBERTYSHEV OLEG NIKOLAEVICH [RU]

TI - METHOD OF MANUAL TREATMENT OF TUBAL INFERTILITY AND CHRONIC DISEASES IN GYNECOLOGY

AB - FIELD: medicine. ^ SUBSTANCE: invention relates to medicine, gynecology and can be used for treatment of chronic diseases of internal genitals, female infertility. Combined manual external-internal gynecologic successive impact on genitals is performed directly in disease nidus. Internal impact is performed through **vaginal** fornices. Complete clearing from **adhesive** processes of uterus (M), ovaries (O), fallopian tubes (FT), ablation of peritoneal adhesions, recovery of FT functionality are performed. Clearing of U from **adhesive** processes is performed in its projection by palpating,

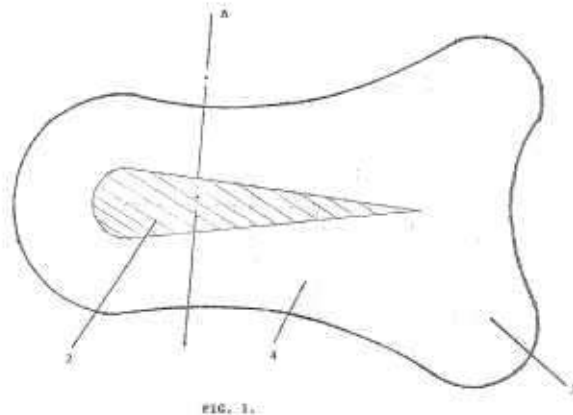
stretching movements with the following translational-stretching and vibrating movements, bringing U upward with its fixation by promontory of sacral bone. In case of O adhesion, their manual separation by sawing movements is performed. Clearing of FT from peritubal adhesions is performed by reciprocating and pulsing movements along their entire length. In order to ablate highly-located adhesions of internal genitals, position of manual impact is changed with turn by angle from 90 to 180. Recovery of FT patency in case of sactosalpinx is performed by method of hydrolic clip with application of physiological **fluid** of FT, recovery of their functionality is performed by superficial circular vibrating movements from uterine end of tube in direction to its distal end. ^ EFFECT: method ensures treatment of chronic diseases of internal genitals, complicated by commissure-infiltrative processes, pain syndrome and tubal infertility, with complete recovery of their anatomomorphologic state. ^ 4 ex, 12 dwg

10/29 © EPODOC / EPO

- PN - [TW200900091](#) A 20090101
- PR - TW20070123227 20070627
- AP - TW20070123227 20070627
- DT - I
- PA - MA DE-LUN [TW]
- TI - Composition of sperm-retarding agent having contraception effect
- AB - disclosed is a composition of sperm-retarding agent having contraception effect, which includes a water-based solvent; an **adhesive**, which is polysaccharide and takes 0.3-10 wt% of whole composition; and a lubricant, which is an alcohol compound and takes 0.5-10 wt% of whole composition; the viscosity of composition is greater than 9000cst (centi-Stoke), such that the composition and **vagina fluid** of female genital as well as the seminal **fluid** are mixed to form a high viscosity gel, which can prevent the spermatozoon from swimming and block the cervix, thereby achieving the effect of contraception.

11/29 © EPODOC / EPO

- PN - [WO2011110878](#) A1 20110915
- PR - HU20100000059U 20100312
- AP - WO2011HU00021 20110311
- DT - *; Rep
- CT - |EP| ISR (A1)
[US5114419](#) A 19920519
 [I] (DANIEL SARAH [IL], et al)
 [I] 1-9
 * column 1, line 26 - column 3,
 line 5; figures 1-3 *;
[US4982450](#) A 19910108 [A] (D
 HUISSIER DOMINIQUE [CH])
 [A] 1-9
 * column 1, line 47 - line 52 *;
[US2009198203](#) A1 20090806
 [A] (LIRA CARMEN [US], et al)



- [A] 1-9
* figure 1 *
- CCI - [A61F13/023](#) ; [A61F13/0246](#)
- CCA - [A61F2013/00578](#) ;
[A61F2013/0091](#) ;
[A61F2013/8414](#)
- PA - GYNOPATCH KFT [HU]; KOVACS
PETER [HU]
- TI - **VAGINAL** PLASTER FOR THE
PREVENTION OF **FLUID** ENTERING
INTO THE **VAGINA**
- AB - **Vaginal** plaster having a carrier
(4) for the prevention of entering
external **fluid** into the **vagina**,
above all for the prevention of
infections occurring in the
course of aquatic sport
activities; characterized that its
carrier (4) has a defined
geometric form, and at least at
its margin includes a self-
adhesive, flexible film (1), fixed
to one side of the carrier (4), and
the flexible film (1) mentioned
above is fitted with a cover (5)
fixed to the self-**adhesive** margin
of the flexible film (1),
practically with the same size
and form as the carrier, provided
with an **adhesive** material on its
inner surface.
- 12/29** © EPODOC / EPO
- PN - [WO2009129773](#) A1 20091029
- PR - DE20082005662U 20080423
- AP - WO2009DE00494 20090417
- DT - **
- CT - |EP| ISR (A1)
[US2004019336](#) A1 20040129 [XA] (TEMPLE ANGELA [US], et al)
[X] 18-24
* the whole document *
* insbesondere Abbildungen 9-11; Absätze [0044]-[0046]. *
[A] 1-17;
[WO03056954](#) A1 20030717 [A] (KIMBERLY CLARK CO [US])
[A] 1-17
* the whole document *;
[US3850160](#) A 19741126 [A] (DENSON J)

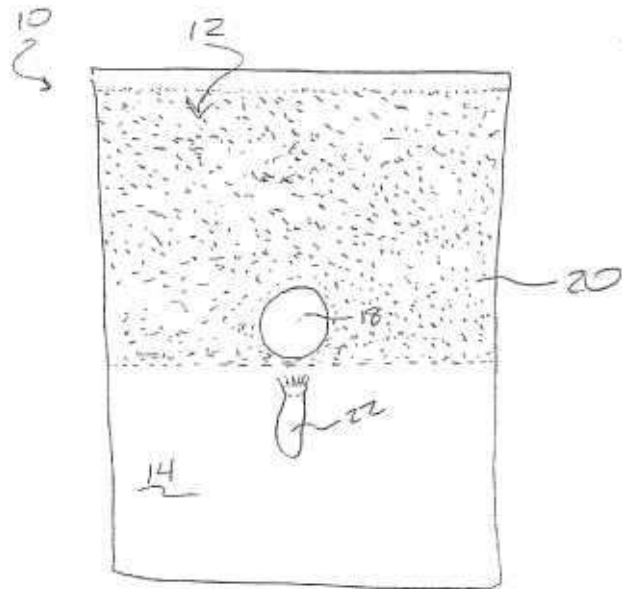
[A] 1-17

* the whole document *

- CCI - [B65D83/0841](#) ; [A61B10/0045](#) ; [G01N33/528](#) ; [G01N33/84](#) ; [B65D83/0894](#)
- CCA - [G01N31/22](#) ; [A61B2010/0074](#)
- PA - MERETE MEDICAL GMBH [DE]; ANAPLIOTIS EMMANUEL [DE]
- TI - TEST DEVICE FOR EXAMINING AN INTERNAL BODY **FLUID** AND PACKAGING THERETO
- AB - The invention relates to a test device for manual examining of the properties of an internal body **fluid**, in particular the pH-value of **vaginal fluid**, with a spreadable protective means to be used for the examination, a test strip to measure the pH-value of the **vaginal fluid** and a double-sided **adhesive** tape for securing of the test strip to one section of the protective means and for protection of the test strip before use. The invention is based on the problem of improving the device for examining of an internal body **fluid** such that its production will be simplified through the avoidance of complicated material cuts while simultaneously using less material, so that an automated production is possible, so that sources of error in application by the patient are additionally reduced and handling will be improved. This problem is solved in that the protective means comprises a single casing (8.1, 8.2, 8.3...8.n) which is formed from one upper and one lower outside (OS, US) of a strip (5) of a rectangular cut (1), wherein at least two single casings are arranged cohesively parallel to each other in the strip (5) and each being materially connected to the other at their joint seams (9), and that the single casings (8.1, 8.2, 8.3...8.n) can be separated from each other by means of perforations (11) or cutting along their connected joint seams (9), sealed at their one opening (4), and that the test strip (6) is arranged transverse to the longitudinal direction (A) of the strip (5) and near the closed front side (22) on the outside of the single casing, and that an insertion pin (10) which can slide into the opening (4) of the single casing, is allocated to the single casings (8.1, 8.2, 8.3...8.n).

13/29 © EPODOC / EPO

- PN - [US2008127985](#) A1 20080605
- PNFP - US8166977 B2 20120501
- PR - US20070986556
20071121; US20000749254
20001227; US20000238958P
20001009
- AP - US20070986556 20071121
- DT - **
- CT - || STSE (B2)
[US4043328](#) A 19770823 [] (CAWOOD JR CHARLES D, et al)
[US4570628](#) A 19860218 [] (NEAL RICHARD M [US])
[US4903710](#) A 19900227 [] (JESSAMINE JOHN G [GB], et al)
[US5388593](#) A 19950214 [] (THOMALLA JAMES V [US])
[US5419343](#) A 19950530 []



	] (TAYLOR RICHARD H [US]) US5445165 A 19950829 [] (FENWICK ROBERT C [US]) US5979450 A 19991109 [] (BAKER DENNIS L [US], et al)
	- R141 (A1) US4570628 A []; US4903710 A []; US5388593 A []; US5419343 A []; US4043328 A []; US5445165 A []; US5979450 A []
CCI	- A61B42/20 ; A61B46/30
CCA	- A61B2046/205 ; A61B2046/236
PA	- (B2) KOVAC S ROBERT [US]; LUND ROBERT E [US]; AMS RES CORP [US]
TI	- (A1 B2) Pelvic surgery drape
AB	- (A1 B2) A urological drape is provided defining a vaginal aperture and a finger cot for accessing the rectum of a patient without making contact therewith. The drape includes an adhesive backing for fixing the drape relative to the patient. Preferably, a pouch is provided which is constructed and arranged to catch any fluids which might be discharged from the vagina during an examination or surgical procedure.

PN - [US2002078964](#) A1 20020627

PNFP - US7299803 B2 20071127

PR - US20000749254
20001227; US20000238958P
20001009

AP - US20000749254 20001227

DT - *; Rep

CT - || STSE (B2)
[US4043328](#) A 19770823 [] (CAWOOD JR CHARLES D, et al)
[US4570628](#) A 19860218 [] (NEAL RICHARD M [US])
[US4903710](#) A 19900227 [] (JESSAMINE JOHN G [GB], et al)
[US5388593](#) A 19950214 [] (THOMALLA JAMES V [US])
[US5419343](#) A 19950530 [] (TAYLOR RICHARD H [US])
[US5445165](#) A 19950829 [] (FENWICK ROBERT C [US])
[US5979450](#) A 19991109 [] (BAKER DENNIS L [US], et al)

- || R141 (A1)
[US4730609](#) A [];
[US4378794](#) A [];
[US4089331](#) A [];
[US5013292](#) A [];
[US3589365](#) A [];
[US4596245](#) A [];
[US3452750](#) A [];
[US4471769](#) A [];
[US5813408](#) A [];
[US4414968](#) A []

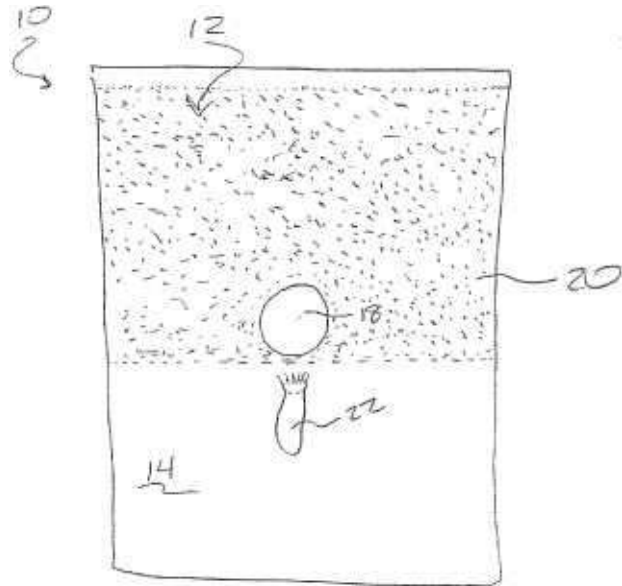
CCI - [A61B42/20](#) ; [A61B46/30](#)

CCA - [A61B2046/205](#) ; [A61B2046/236](#)

PA - (A1)
AMERICAN MED SYST [US]
- (B2)
AMS RES CORP [US]

TI - (A1 B2)
Pelvic surgery drape

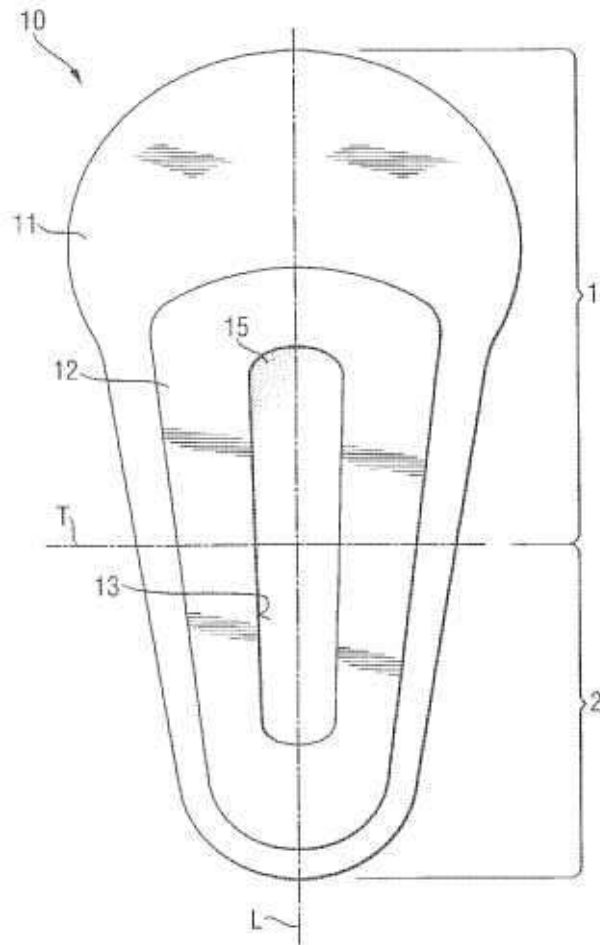
AB - (A1 B2)
A urological drape is provided defining a **vaginal** aperture and a finger cot for accessing the rectum of a patient without



making contact therewith. The drape includes an **adhesive** backing for fixing the drape relative to the patient. Preferably, a pouch is provided which is constructed and arranged to catch any **fluids** which might be discharged from the **vagina** during an examination or surgical procedure.

15/29 © EPODOC / EPO

- PN - [US2004167488](#) A1 20040826
- PNFP - US6923796 B2 20050802
- PR - US20030374597 20030225
- AP - US20030374597 20030225
- DT - *; Rep
- CT - || STSE (B2)
- [US4387726](#) A 19830614 [] (DENARD RUTHIE [US])
- [US4820291](#) A 19890411 [] (TERAUCHI RYUGO [JP], et al)
- [US5084037](#) A 19920128 [] (BARNETT ROBERT [US])
- [US5714225](#) A 19980203 [] (HANSEN HENRIK CHRISTIAN [DK], et al)
- [US6133501](#) A 20001017 [] (HALLOCK ROXANNE BELINDA [US], et al)
- [US6151721](#) A 20001128 [] (WHITFIELD RAYMOND W [US])
- [US6168584](#) B1 20010102 [] (ALLEN PATRICK JAY [US], et al)
- [US6336920](#) B1 20020108 [] (TEMPLE JOHN E [US])
- [US6685685](#) B2 20040203 [] (SUGITA MASATAKA [JP], et al)
- [US6685687](#) B2 20040203 [] (MISHIMA YOSHITAKA [JP], et al)
- [US6716204](#) B1 20040406 [] (D ACCHIOLI VINCENZO [DE], et al)
- [US6761710](#) B2 20040713 [] (D ACCHIOLI VINCENZO [DE], et al)
- || R141 (A1)
- [US3366116](#) A [];
- [US5084037](#) A [];



[US6168584](#) B1 [];

[US6336920](#) B1 [];

[US5714225](#) A [];

[US6685685](#) B2 [];

[US6685687](#) B2 [];

[US4820291](#) A [];

[US6716204](#) B1 [];

[US4387726](#) A [];

[US6761710](#) B2 [];

[US6133501](#) A [];

[US6151721](#) A [];

[US3292626](#) A []

CCI - [A61F13/47245](#) ; [A61F13/82](#) ;
[A61F5/4553](#)

PA - (B2)
PROCTER & GAMBLE [US]

TI - (A1 B2)
Dimensionally
optimized **menstrual fluid**
management device

AB - (A1 B2)
The present invention relates to
a **menstrual fluid** management
device that is attached directly
to the wearer by use of
an **adhesive**. The device allows
for direct and immediate
containment of **menstrual** and
other **vaginal** discharges. In
particular, the device improves
the prevention of soiling over
devices already known in the art
by using an attachment flange
around an orifice which has a
shape of the generally oblong
dimensions, where the width in
the rear end of the orifice is
wider than at the front end,
thereby improving the
circumscription of the female
genitalia and the sealing along
the flange to the skin of the
wearer.

PN - [US5063908](#) A 19911112

PR - US19890360257 19890602

AP - US19890360257 19890602

DT - *

CT - [US2483233](#) A []; [US2672859](#) A [];
[US3029303](#) A []; [US3368564](#) A [];
[US3713448](#) A []; [US3977407](#) A [];
[US4074397](#) A []

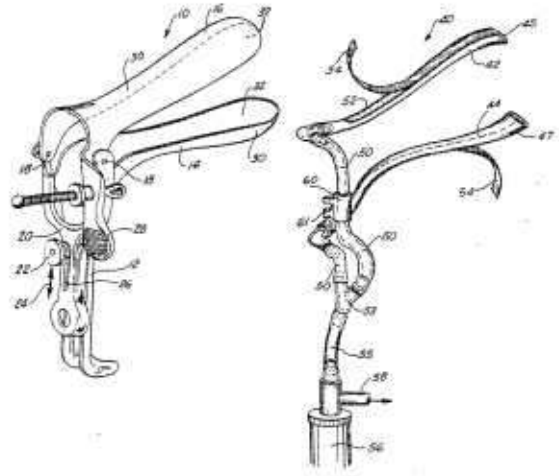
CCI - [A61B1/32](#) ; [A61M1/008](#)

CCA - [A61B18/24](#) ; [A61B2218/008](#) ;
[Y10S128/26](#)

PA - COLLINS JASON H [US]

TI - Adapter for cervical speculum

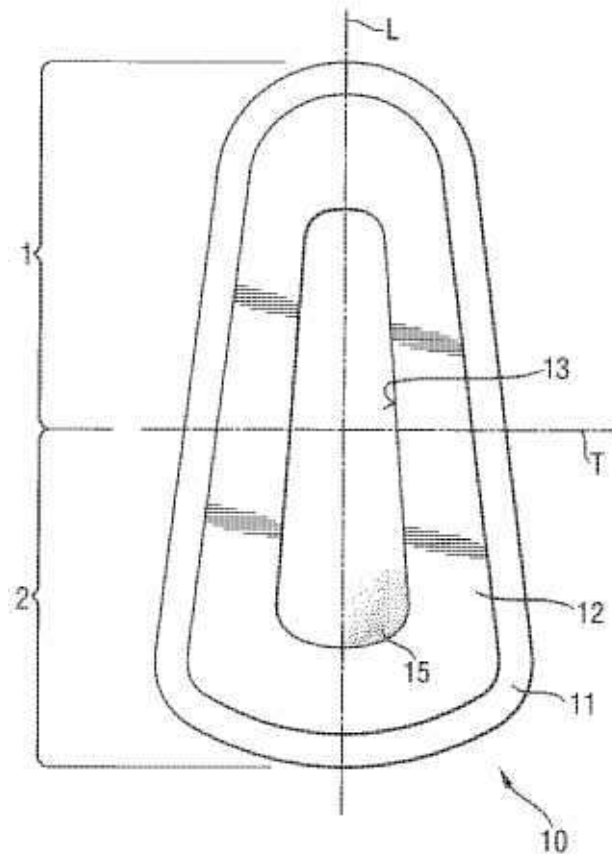
AB - A cervical speculum of the type having a first upper blade and a second lower blade, the blades movable in relation to one another via a rare hinge portion, and having the ability to be adjustable and used in conjunction with the gynecological procedure of, for example, surgery on the cervix. The improvement would include a pair of evacuator tubes which would be adaptable to the interior surfaces of the upper and lower blades respectively, each of the tubes having an **adhesive** material on that portion of the tube that would make **adhesive** contact with the surfaces of the upper and lower blades, with the tubes extending with their open ends at the ends of each of the blade portions, and extending rearwardly to the ends of the blades that are hingedly attached. Each of the tubes would lead into an evacuator tube, leading into an evacuator trap or line, so that the trap may be connected to a "stackhouse" filter which is the



source of suction to evacuate the smoke and **fluid** from the patient's **vaginal** cavity during surgery. There may be further included a trap means so that the heavier liquids are contained in the trap, and the smoke from the laser surgery would be evacuated into the "stackhouse" filter for removal. The entire unit would be easily adaptable to an existing cervical speculum in order to allow use of existing speculums for this particular procedure.

- 17/29 © EPODOC / EPO
- PN - [WO03071996](#) A1 20030904
- PR - EP20020004073 20020223
- AP - WO2003US05415 20030221
- DT - **
- CT - [EP] ISR (A1)
[EP1104666](#) A1 20010606
 [XDY] (PROCTER & GAMBLE [US])
 [XD] 1-4,6-8
 * the whole document *
 [Y] 5;
[EP0659390](#) A2 19950628
 [Y] (NDM ACQUISITION CORP [US])
 [Y] 5
 * abstract *;
[US3292626](#) A 19661220
 [A] (SCHNEIDER JOHN D);
[US3366116](#) A 19680130
 [A] (HUCK CHARLES M)
- CCI - [A61F5/44](#) ; [A61F5/441](#) ;
[A61F5/455](#)
- PA - PROCTER & GAMBLE [US]
- TI - CONTAINER FOR THE COLLECTION OF **MENSTRUAL** FLOW
- AB - The present invention relates to a **menstrual fluid** management device that is attached directly to the wearer by use of an **adhesive**. The device allows for direct and immediate

Fig. 2



containment of **menstrual** and other **vaginal** discharges. In particular, the device improves the prevention of soiling over devices already known in the art by using an attachment flange around an orifice which has a shape of the generally oblong dimensions, where the width in the rear end of the orifice is wider than at the front end, thereby improving the circumscription of the female genitalia and the sealing along the flange to the skin of the wearer.

18/29 © EPODOC / EPO

PN - [JPH06178791](#) A 19940628
 PR - JP19920360676 19921214
 AP - JP19920360676 19921214
 DT - I
 FI - A61F5/43; A61F6/04
 FT - 4C098/AA10; 4C098/DD22
 PA - WATANABE MASARU
 TI - RUBBER MASK TYPE INFECTION PREVENTING ORAL SACK
 AB - PURPOSE:To prevent virus infection caused by **vaginal** secreting **fluid**, saliva and semen by forming a sack in such a manner as to cover the whole of a mouth by using thin rubber and manufacturing the outer frame parts above and below and both sides of a mask worked to be projected and recessed to allow the oral cavity and a tongue to move in such a manner as to closely adhere to a face. CONSTITUTION:A sack is manufactured like a mask for covering the whole of a mouth by using thin rubber 1 such as a condom which can not allow permeation of virus. The sack is provided with projected and recessed parts 2, 3 for allowing lips and a tongue to move. The rubber of the outer frame parts is made stronger so that the sack may not slip off during use, and a part 4 1cm inside the outer frame is manufactured to be **adhesive** to adhere to the skin.

19/29 © EPODOC / EPO

PN - [JPH11313851](#) A 19991116
 PR - JP19980122498 19980501
 AP - JP19980122498 19980501
 DT - I
 CCI - [A61F13/47218](#) ; [A61F13/4752](#)
 CCA - [Y10T156/1051](#)
 FI - A61F13/18&330;



	A61F13/18&340; A61F13/472&200; A61F13/475&112; A61F13/514&100; A61F13/515; A61F13/535&200; A61F13/56&110
FT	- 3B200/AA03; 3B200/AA15; 3B200/BA03; 3B200/BA05; 3B200/BA07; 3B200/BA12; 3B200/BA13; 3B200/BB03; 3B200/BB09; 3B200/BB11; 3B200/BB20; 3B200/CA12; 3B200/CA15; 3B200/DA02; 3B200/DA11; 3B200/DA16; 3B200/DB07; 3B200/DB11; 3B200/DB12; 3B200/DB23; 3B200/DC06; 3B200/DD01; 3B200/DD02; 3B200/DD07; 3B200/DE01; 3B200/DE03; 3B200/DE05; 3B200/DE16; 3B200/EA24; 4C003/DA04; 4C003/DA06; 4C003/EA02; 4C003/EA03; 4C003/FA01; 4C003/HA05
PA	- UNI CHARM CORP
TI	- SANITARY NAPKIN
AB	- PROBLEM TO BE SOLVED: To improve the close contactness of sanitary naptin to the entrance of vagina and the vicinity thereof and the follow-up characteristic thereof to the movement in the vicinity of vagina to thereby ensure a speedy absorption and prevention of leakage of menstrual blood by forming the sectional shape of a liquid absorption core into an inverted V shape, and forming a cavity between the core and a lower member of the sanitary napkin. SOLUTION: This napkin has an upper member 16 and a lower member 17. The upper member 16 has a liquid transmission type surface sheet 21, a liquid absorption type core 22 abutting on a lower surface of top of the

sheet 21, and a backing sheet 23 abutting on a lower surface of the core 22. Between both edges 24 of the backing sheet 23, an elastic member 27 attached to the side edge 24 through an **adhesive** 26 shrinks to keep the inverted V shape of the sheet 23. The sheet 21 has an inverted V shape portion 28 resulting from that the central part of the napkin in the width direction comes into contact with an upper surface of the core 22 intermittently. In a side edge 4 of the napkin, the sheet 21 rises slantly upward to the outside and thereby a liquid leakage prevention cuff 29 is formed.

20/29 © EPODOC / EPO

PN - [JPH07289576](#) A 19951107
 PR - JP19940121706 19940421
 AP - JP19940121706 19940421
 DT - I
 FI - A61F5/43; A61F6/04
 FT - 4C098/AA06; 4C098/DD22;
 4C098/EE16
 PA - KAIEDA TSUGUTO
 TI - LUBRICANTJELLYENCAPSULATING
 CONDOM AND ITS PRODUCTION
 AB - PURPOSE:To enable intercourse while preventing hindrances, such as intercourse pain, laceration, sore, etc., due to forcible intercourse as a result of a failure in secretion of sexual secretory **fluid** in the **vagina** and difficulty in insertion of the penis. CONSTITUTION:This condom is formed by putting a bag-shaped outer film 7 formed with holes 4 of a pinhole type and holes of notched grooves on the glans part 3 of an inner film 1 of a condom body, adhering an **adhesive** part 8 thereto to



form a structure combined with the glans part of the condom in double piles, packing lubricant jelly 6 to the middle top of the clearance between these two films, winding a ring 2 to close the respective holes and, stowing and encapsulating the jelly in a manner as to prevent leaking out of the jelly. The front end of the glans part is folded to an inner side. The bag and a middle bag are packed with the lubricant jelly to close the opened small circular inlet. A user mounts the lubricant jelly encapsulating condom at the penis and unrolls the ring or opens the notched opening groove 96 to allow the lubricant jelly to flow out.

21/29 © EPODOC / EPO

PN - [GB1461847](#) A 19770119

PR - US19730348204 19730405

AP - GB19740013346 19740326

DT - **

CCI - [A61D1/06](#) ; [A61D7/00](#) ; [A61F6/08](#)

PA - DICKINSON B W O; DICKINSON R W

TI - INTRA-**VAGINAL** DEVICE AND METHOD

AB - 1461847 Intra- **vaginal** device B W O DICKINSON and R W DICKINSON 26 March 1974 [5 April 1973] 13346/74 Heading A5R An intra-**vaginal** device, whose periphery is free of sharp edges, comprises a disc 11 disposed at the posterior of and transverse to an extension element 12 of an elongate member 10, the combination of disc 11 and a coupling 13 being sufficiently flexible to permit substantial pivotal movement of the disc relative to element 12, the element including a stiff portion to the anterior of the device, the extension element comprising the major portion of the length of the member. An animal, e.g. humans, dogs, cats, hogs, horses, sheep, cows, using the device has a **vagina** terminating at the posterior end in a normally closed vulva and at the anterior end in a normally closed cervix and between the ends preferably has a sphincter muscle. The device provides partial or preferably total blocking of penile insertion for contraception and has a rounded circular or oval periphery 11a and a flat concave or convex surface 11b. The centre of disc 11 is eccentric with respect to the axis of element 12, the lower disc portion projecting below element 12 while the upper disc portion projects approximately the same as or less than element 12. The principal plane of the disc 11 forms an angle X of 75 to 115 with the axis of element 12. Coupling 13 comprises a neck of smaller radius than disc 11 or element 12, which neck is located in the **vagina** by the animal's sphincter muscle. The device does not form a seal with

the **vagina** against posterior movement of **vaginal** secretions but member 18 may be tubular with a passage 14 from rounded cap 12c to an opening in disc 11. Disc 11, coupling 13 and frusto-conical portion 12a may form an integral moulding 17 and include a passage with a narrowed portion to locate member 18 which may alternatively be secured by a force fit or by **adhesive**. A cord 19 is attached to member 18 for device withdrawal. For fitting, member 18 is pushed into the **vagina** until it touches the cervix and then cut-to-length, then successively larger mouldings 17 are introduced past the sphincter muscle until one is too large to fit whereupon the next smaller is selected. The device is made from polyethylene, nylon or rubber and moulding 17 may be of microporous silicone rubber for long-term release of a **fluid** drug, hormone or deodorant.

22/29 © EPODOC / EPO

PN - [EP1338258](#) A1 20030827
 PNFP - EP1338258 B1 20041117
 PR - EP20020004073 20020223
 AP - EP20020004073 20020223
 DT - *; Rep
 CT - || STSE (A1)
 [EP1104666](#) A1 20010606
 [XDY] (PROCTER & GAMBLE [US])
 [XD] 1-4,6-8
 * the whole document *
 [Y] 5;
 [EP0659390](#) A2 19950628
 [Y] (NDM ACQUISITION CORP
 [US])
 [Y] 5
 * abstract *;
 [US3292626](#) A 19661220
 [A] (SCHNEIDER JOHN D);
 [US3366116](#) A 19680130
 [A] (HUCK CHARLES M)
 CCI - [A61F5/44](#) ; [A61F5/441](#) ;
 [A61F5/455](#)
 PA - (A1 B1)
 PROCTER & GAMBLE [US]
 TI - (A1 B1)
 Container for the collection
 of **menstrual** flow
 AB - (A1)
 The present invention relates to
 a **menstrual fluid** management
 device that is attached directly
 to the wearer by use of
 an **adhesive**. The device allows
 for direct and immediate

Fig. 2

containment of **menstrual** and other **vaginal** discharges. In particular, the device improves the prevention of soiling over devices already known in the art by using an attachment flange around an orifice which has a shape of the generally oblong dimensions, where the width in the rear end of the orifice is wider than at the front end, thereby improving the circumscription of the female genitalia and the sealing along the flange to the skin of the wearer. <IMAGE>

23/29 © EPODOC / EPO

PN - [WO9746878](#) A1 19971211
 PR - DE1996210236U
 19960530; DE1996214429U
 19960809; DE1996220453U
 19961115; DE1996220452U
 19961115
 AP - WO1997EP02747 19970527
 DT - *; Rep
 CT - |EP| ISR (A1)
[DE9407496U](#) U1 19940922
 [DYA] (HEIMANN WILHELM DR
 [DE])
 [DY] 1-12,14,16
 * the whole document *
 [A] 18;
[DE3913868](#) C1 19900523
 [Y] (BRAUN)
 [Y] 1-12,14,16
 * abstract *;
[US4042329](#) A 19770816
 [Y] (HOCHSTRASSER HARRY T)
 [Y] 2-9
 * column A *
 * column 13, line 21 - line 47;
 figures 5,6 *;
[EP0605394](#) A1 19940706
 [Y] (DAINIPPON PRINTING CO LTD
 [JP])
 [Y] 9,14,16
 * page 12, line 15 - line 20;

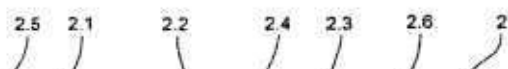
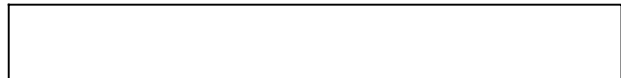


figure 2 *;
[US3830035](#) A 19740820
 [A] (HOOVER R)
 [A] 19-21,24
 * figure - *

- CCI - [A61B10/00](#) ; [G01N31/221](#) ;
[G01N33/521](#) ; [A61B42/40](#)
- CUI - [A61B42/10](#)
- CCA - [A61B17/42](#) ; [A61B2010/0003](#) ;
[A61B2017/00035](#) ;
[A61B2017/00438](#) ; [A61B42/00](#)
- PA - SELFCARE INT GMBH [DE];
ANAPLOTISEMMANUEL [DE]
- TI - DEVICE FOR MEASURING THE
PROPERTIES OF AN
ENDOGENOUS **FLUID**
- AB - The invention concerns a device
for measuring the properties of
an endogenous **fluid**, in
particular for measuring the pH
of **vaginal fluid**, in a manual
medical examination. The device
comprises an elastic protective
clothing article which can be
slipped on and used for the
examination, a test strip (2)
comprising a coating with an
indicator agent (2.2) for
measuring the pH of the **vaginal
fluid** during the examination, and
a double-sided **adhesive** tape
(2.3) for securing the test strip to
a section (1.1) of the protective
clothing article.

24/29 © EPODOC / EPO

- PN - [DE10016383](#) A1 20010607
- PR - DE2000116383
20000329; DE1999154050
19991028
- AP - DE2000116383 20000329
- DT - *
- CCI - [A61B10/0291](#) ; [A61B10/0045](#) ;
[A61B10/007](#) ; [A61F13/42](#)
- CCA - [A61F2013/8473](#)
- PA - SALING ERICH [DE]



- TI - Versatile body **fluid** test pad worn at location of excretion and valued for early diagnosis of threatening diseases during pregnancy, includes indicator displaying e.g. pH
- AB - An interceptor (3) for body **fluid**, is carried at the point of release from the body, and includes an indicator (2b). An Independent claim is included for the corresponding method. Preferred features: The interceptor is located on the side facing the body. Interceptor and indicator are fastened together, e.g. by an **adhesive**. Between the body part secreting **fluid** and the indicator, a layer permeable or semi-permeable to the body **fluid** is located. The indicator is positioned on a panty pad or a sanitary towel. It may be arranged in briefs. The indicator registers pH. Salient features of the method include a device, e.g. like tongs, which express the bodily **fluid** and bring it into contact with an indicator. The indicator shows the **fluid** characteristics directly. The **fluid** is a **vaginal** secretion. It is urine. Especially pH is indicated. A color change takes place in the range pH 4.0-5.0. The **fluid** is alternatively from a wound. The indicator determines the acidity of a pH electrode. Sugar content in the bodily **fluid** is measured.
- An interceptor (3) for body **fluid**, is carried at the point of release from the body, and includes an indicator (2b). An independent claim is included for the corresponding method. Preferred features: The interceptor is located on the side facing the body. Interceptor and indicator are fastened together, e.g. by

an **adhesive**. Between the body part secreting **fluid** and the indicator, a layer permeable or semi-permeable to the body **fluid** is located. The indicator is positioned on a panty pad or a sanitary towel. It may be arranged in briefs. The indicator registers pH. Salient features of the method include a device, e.g. like tongs, which express the bodily **fluid** and bring it into contact with an indicator. The indicator shows the **fluid** characteristics directly. The **fluid** is a **vaginal** secretion. It is urine. Especially pH is indicated. A color change takes place in the range pH 4.0-5.0. The **fluid** is alternatively from a wound. The indicator determines the acidity of a pH electrode. Sugar content in the bodily **fluid** is measured.

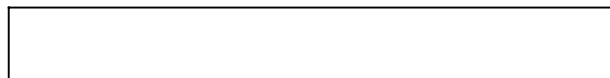
25/29 © EPODOC / EPO

- PN - [DE4139883](#) A1 19930603
- PR - DE19914139883 19911129
- AP - DE19914139883 19911129
- DT - *
- CT - [US4975281](#) A []; [WO9302662](#) A1 [];
[WO9218143](#) A1 []; [WO9209286](#) A1 []
- CCI - [A61K9/1635](#) ; [A61K9/0007](#) ;
[A61K9/0034](#) ; [A61K9/2027](#)
- PA - DITTGEN MICHAEL PROF DR [DE]
- TI - Prodn. of bio- **adhesive** medicament, e.g. oral or **vaginal** tablet - comprises mixing drug with swellable, bio-**adhesive** polymer, dispersant and opt. binder
- AB - Prodn. of bioadhesive medicaments comprises mixing conventional drug with bioadhesive polymer which is swellable in water and which



contains hydrophilic functional groups. pref. hydroxy and/or carboxy groups and a dispersant and opt. binder. The medicaments pref. contain 1-98 wt. % esp. 40-90 wt. % polymer 1-90 wt. % esp. 1-50 wt. % dispersant and up to 30 wt. % esp. up to 5 wt. %, binder. The dispersant is substance which produces gas on contact with body **fluids** and the binder, which is present when the medicament is not mechanically stable is esp. copolymerisate of an acrylate with an acid or with di- or trimethylaminoethano. Further, carboxyl gps. on the polymer are wholly or partly neutralised with sodium, potassium, ammonium, or organic amine ions.

USE/ADVANTAGE - The medicaments which can take the form of tablets, granulates or capsules, can be used for the admin. of e.g. antirheumatics, contraceptives, and cardiovascular drugs, esp. by the peroral or **vaginal** route. The medicaments have better release, stability, and/or bioavailability characteristics than known bioadhesive formulations such as those described in e.g. US4615697, US4795436, DE3800256 and DD-282551. In partic. they adhere to tissue, esp. mucous membranes, over a long period and swell rapidly to produce a non-toxic bioadhesive mucilage which covers a large surface and which promotes absorption of the drug.



AP - CN2003264587U 20030618

DT - I

PA - ANXIN NANO BIOLOG SCIENCE
AND [CN]

TI - Antiseptic health woman
sanitary cotton strip

AB - The utility model discloses an
antiseptic health woman
sanitary cotton strip, which
comprises a conductive pipe
provided with a front end in the
shape of a bullet with a hatch,
wherein a sealing ring is
arranged between the rear end of
the conductive pipe and a
thrusting pipe, the cotton strip is
made from nanometer silver anti-
bacterial texture which is
stamped and rolled, wherein the
cotton strip is coated with PE
film. The utility model is based
on the omni-directional
radiating expansion theory, and
the cotton strip can expand in
radiating direction rapidly after
contacting with the blood, and
then **adhesive** softly the internal
wall of the **vagina** to realize the
absorption of the **menstrual**
blood and the sterilization.

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PN - [CA2255711](#) A1 19971211

PR - DE1996210236U
19960530; DE1996214429U
19960809; DE1996220452U
19961115; DE1996220453U
19961115; WO1997EP02747
19970527

AP - CA19972255711 19970527

DT - I

CCI - [A61B10/00](#) ; [G01N31/221](#) ;
[G01N33/521](#) ; [A61B42/40](#)

CUI - [A61B42/10](#)

CCA - [A61B17/42](#) ; [A61B2010/0003](#) ;
[A61B2017/00035](#) ;

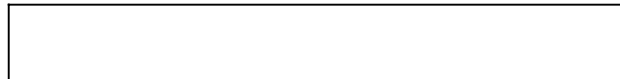
2.5 2.1 2.2 2.4 2.3 2.6 2

[A61B2017/00438](#) ; [A61B42/00](#)

- PA - SELFCARE INTERNAT GMBH [DE]
- TI - DEVICE FOR MEASURING THE
PROPERTIES OF AN
ENDOGENOUS **FLUID**
- AB - The invention concerns a device
for measuring the properties of
an endogenous **fluid**, in
particular for measuring the pH
of **vaginal fluid**, in a manual
medical examination. The device
comprises an elastic protective
clothing article which can be
slipped on and used for the
examination, a test strip (2)
comprising a coating with an
indicator agent (2.2) for
measuring the pH of the **vaginal
fluid** during the examination, and
a double-sided **adhesive** tape
(2.3) for securing the test strip to
a section (1.1) of the protective
clothing article.

28/29 © EPODOC / EPO

- PN - [BG106430](#) A 20030829
- PNFP - BG65734B B1 20090930
- PR - BG20020106430 20020222
- AP - BG20020106430 20020222
- DT - I
- CT - || STSE (B1)
[US6319513](#) B1 20011120 [
] (DOBROZSI DOUGLAS JOSEPH
[US]);
[US5976573](#) A 19991102 [] (KIM
SOO-IL [US]);
[US5472704](#) A 19951205 [
] (SANTUS GIANCARLO [IT], et al);
[US5458879](#) A 19951017 [
] (SINGH NIKHILESH N [US], et al)
- CCI - [A61K9/0043](#)
- PA - (A)
BIOTERAPAOTIKS VALTER SHVAM
[BG]
- (B1)
BIO THERAPYUTIKS EOOD [BG]



TI	- (A B1) LIQUID MUCOADHESIVE PHARMACEUTICAL COMPOSITION
AB	- (A) The invention relates to liquid mucoadhesive pharmaceutical composition for the treatment of mucous membrane and can find application in the medical practice in the form of oral, ocular, rectal, vaginal, nasal and periodontal medicamentous preparations. The composition contains, in wt.%, biologically active substance from 0.01 to 10.00, mucoadhesive substance from 0.01 to 10.00, preservative from 0.01 to 5.00, NaCl 0.10-0.90 and phosphatic buffer with pH 5-7 to 100, and has relative viscosity from 5.00 to 500.00, and relative adhesive capacity from 105.0 to 120.0. The mucoadhesive composition has easy diffusion, good resorption and improved bioanalytic properties. It has longer presence over the mucous membrane, and therapeutic effect can also be achieved using lower doses. Furthermore, the composition has very good fluidity and mucoadhesion. 7 claims, 10 figures - (B1) The invention relates to a liquid mucoadhesive pharmaceutical composition for mucous membrane treatment, and may find application in medical practice in the form of oral, ocular, rectal, vaginal, nasal and periodontal medicines. The liquid mucoadhesive composition contains the following ingredients in weight percent: biologically active substance - 0.01 to 10.00; mucoadhesive substance - 0.01 to 10.00

10.00; preservative - 0.01 to 5.00; NaCl - 0.10 to 0.90; and phosphate buffer with -? 5-7 - up to 100. The relative viscosity is 5.00-500.00 and the relative **adhesive** viscosity is from 105.0 to 120.0 percent. The resulting mucoadhesive composition provides easy diffusion, good resorption and improved bioavailability. The composition has an extended stay on the mucosa and allows reaching the necessary therapeutic effect with lower doses. Moreover, the composition has good **fluidity** and mucoadhesivity.

29/29 © EPODOC / EPO

- PN - [BE1016894](#) A6 20070904
- PR - BE20050000604 20051215
- AP - BE20050000604 20051215
- DT - *; Rep
- CCI - [A61F5/451](#)
- PA - SRITHARAN SHANTI [BE]
- TI - Female urinary incontinence protection has hollow formation surrounding a urethra and possibly **vagina** for catchment of urine and other **fluids**
- AB - Female urinary incontinence protection has hollow formation surrounding urethra and possibly **vagina** for catchment of urine and other **fluids**. It involves an **adhesive** strip which is flexible and is firmly adhered to the outermost labia. Also a urine catchment space (1) is provided with parts (2) fixed around the center of the strip. The strip is passed between the legs of the user around the waist of whom it is finally fitted. A "condom catheter" (4,5) is passed through the protection aperture, which is



then closed around it.

[SS 21]