

Search history

Search 1: SFT=(female and collector and urine and seal) (Results 366)

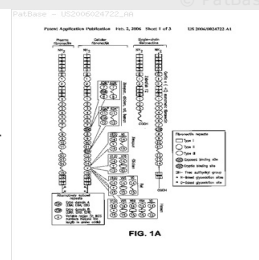
1) Family number: 32586693 (US2006024722A)

SAMPLES FOR DETECTION OF ONCOFETAL FIBRONECTIN AND USES THEREOF

Abstract: Source: US2006024722A Methods and products for the detection of oncofetal fibronectin indicating molecules in samples are provided. Methods for imaging of oncofetal fibronectin are provided. In some methods provided herein, the sample is treated with a reagent and/or contacted with a non-specific binder. Provided are methods for testing subjects to ascertain health and disease status and to assess the risk of developing a disease or condition. Methods for detecting the presence of oncofetal fibronectin indicating molecules by a variety of methods such as immunoassays and mass spectrometry also are provided. Methods and products for detection of oncofetal fibronectin for selection of concepti are provided.

Probable Assignee: CYTYC CORP

Earliest Publication Date: 20060202



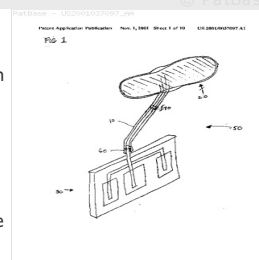
2) Family number: 28153384 (US2001037097A)

URINE MANAGEMENT SYSTEM FOR HUMAN FEMALES

Abstract: Source: US2001037097A A **urine** management system for human **females** comprising a novel collection device, a novel conveyance tube, and a novel storage container is described. The collection device is worn by the user in direct contact with the skin surfaces surrounding the urethral opening being held in place by an undergarment. The **collector** comprises a thin layer of pliable and water-permeable material through which leaked or voided **urine** passes and that is underlain by a layer of water-wicking material which may also contain one or more open channels for directing and conveying the flow of **urine** to a fitting connection with the conveyance tube. The conveyance tube, a novel thin-wall, flat tube, contains a spacer throughout its length to prevent the tube lumen from being completely closed and **sealed** off by kinks or twists in the tube. The tube can conform to the body shape of the wearer, expands as flow rate increases, and shrinks and flattens as flow drops off. **Urine** is retained as physically stabilized material in a storage container that can be either replaced and disposed of or emptied and reused with cleaning as needed. Physical stabilization of the fluid **urine** is accomplished using an absorbent or gel-forming material. The storage container's internal structure also provides a means for unique fluid transfer and retention capabilities. To form the entire system, the devices are serially and contiguously connected to form a continuous liquid pathway that enables removal of residual pools of **urine**, as well as transport and storage of **urine** at locations higher than the source.

Probable Assignee: UROSCIENTIFIC INC

Earliest Publication Date: 20011101



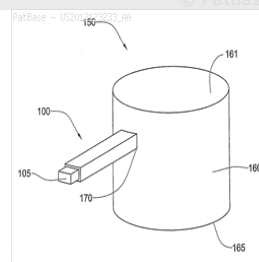
3) Family number: 48201493 (US2012123233A)

DISPOSABLE USB CUP

Abstract: Source: US2012123233A The present invention provides a handheld USB Cup for use in collection of a fluidic body sample, comprising a receptacle comprising side surfaces, a bottom plate and a sensor assembly, the sensor assembly comprising at least one sensor and a slave circuitry; said sensor assembly is permanently affixed to said side surfaces or said bottom plate. The receptacle is capable of maintaining the fluidic body sample for a sufficient time period in the vicinity of the sensor whereby the sensor is operative to provide continuous measurement of an electric, chemical or physical property of the **urine**. The slave circuitry responds to the electric, chemical or physical property of the fluidic body sample received from the sensor and is configured and operable to electronically communicate the measurement of the electric, chemical or physical property of the fluidic body sample to an external processing master unit.

Probable Assignee: FLOMETRICA LTD

Earliest Publication Date: 20110127



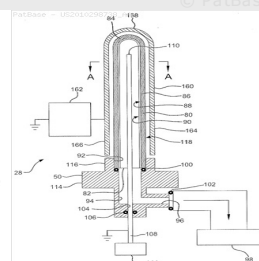
4) Family number: 47617404 (US2010298738A)

VESSEL, COATING, INSPECTION AND PROCESSING APPARATUS

Abstract: Source: US2010298738A Methods for processing a vessel, for example to provide a gas barrier or lubricity, are disclosed. First and second PECVD or other vessel processing stations or devices and a vessel holder comprising a vessel port are provided. An opening of the vessel can be seated on the vessel port. The interior surface of the seated vessel can be processed via the vessel port by the first and second processing stations or devices. Vessel barrier, lubricity and hydrophobic coatings and coated vessels, for example syringes and medical sample collection tubes are disclosed. A vessel processing system and vessel inspection apparatus and methods are also disclosed.

Probable Assignee: SI02 MEDICAL PRODUCTS INC

Earliest Publication Date: 20101117



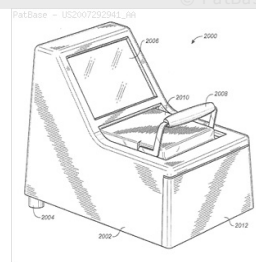
5) Family number: 38528936 (US2007292941A)

INTEGRATED SYSTEM FOR PROCESSING MICROFLUIDIC SAMPLES, AND METHOD OF USING THE SAME

Abstract: Source: US2007292941A This patent application describes an integrated apparatus for processing polynucleotide-containing samples, and for providing a diagnostic result thereon. The apparatus is configured to receive a microfluidic cartridge that contains reagents and a network for processing a sample. Also described are methods of using the apparatus.

Probable Assignee: HANDYLAB INC

Earliest Publication Date: 20071004



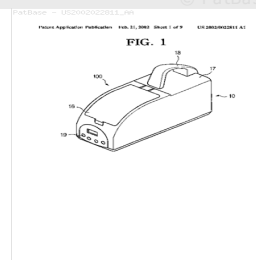
6) Family number: 28161145 (US2002022811A)

PERSONAL URINE COLLECTING APPARATUS HAVING BIDET SYSTEM

Abstract: Source: US2002022811A A personal urine collecting apparatus having a bidet system, includes a urine collector for collecting urine from a person, a urine repository for storing urine collected from the urine collector through a urine release guide line, a cleansing water tank arranged on one side of the urine repository for storing cleansing water, a heater connected to the cleansing water tank so as to receive a predetermined amount of the cleansing water and heat the cleansing water, a bidet system installed on in a body of the urine collector for injecting the cleansing water from the heater, a driving means connected to the urine release guide line and cleansing water guide line for actuating the urine collector and the bidet system, a controller for controlling the driving means, a sensing means for sensing a condition of the urine collector and a condition of at least one of the urine repository, cleansing water tank and the heater, and a case for housing and mounting the urine collector, the urine repository, cleansing water tank, the heater, the bidet system, the driving means and the sensing means.

Probable Assignee: HANMEDICS CO LTD

Earliest Publication Date: 20020220



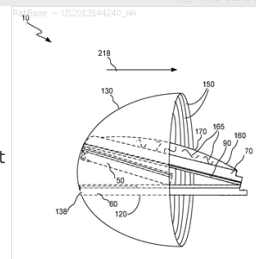
7) Family number: 53980355 (US2013144240A)

PORTABLE FEMALE URINE COLLECTOR FOR URINE COLLECTION AND STOWAGE AND METHOD OF ASSEMBLING SAME

Abstract: Source: US2013144240A A portable female urine collector for urine collection and stowage, and a method of assembling same is disclosed. In one embodiment, the portable female urine collector includes a foldable absorbent pad for collecting urine, and a receptacle attached to the foldable absorbent pad for stowing the foldable absorbent pad therein after the foldable absorbent pad is used to collect urine. After the foldable absorbent pad is used, the foldable absorbent pad is folded by the user and then sealed within the attached receptacle for later disposal. The portable female urine collector is useful whenever toilet facilities for females are either unavailable or unsuitable.

Probable Assignee: ELLIS ANN MARIE

Earliest Publication Date: 20130606



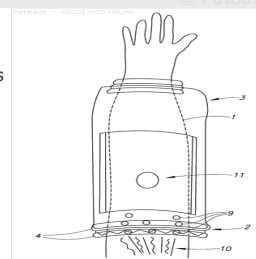
8) Family number: 51471405 (US2013019374A)

GEL-BASED SEALS AND FIXATION DEVICES AND ASSOCIATED SYSTEMS AND METHODS

Abstract: Source: US2013019374A Gel and non-gel structures for interfacing with various portions of an organism's body are disclosed. A gel structure such as a web-like structure is configured to encircle a portion of the human body. The gel structure can be adapted to encircle virtually any exterior or interior portion of the human body. The gel structure can interface with an external medical device for delivery of medicine or for extracting substances and fluids from the human body.

Probable Assignee: SCHWARTZ ALAN N

Earliest Publication Date: 20120712



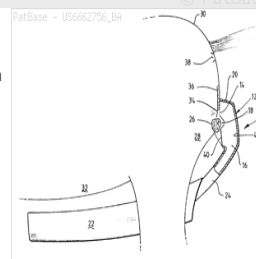
9) Family number: 30424064 (US6662756B)

URINE COLLECTOR

Abstract: Source: US6662756B The present invention provides a method and apparatus for collecting urine from a female quadruped, the apparatus comprising a urine collector having: a urine receptacle having a urine inlet for receiving urine; a support member for supporting the receptacle, the support member locatable to bridge the buttocks of the quadruped adjacent to and below the vulva thereof and generally conforming to the shape of the rump to thereby resist lateral displacement; wherein the receptacle is supported by the support member so that the urine inlet is proximate to and substantially surrounds the periphery of the urethra.

Probable Assignee: PATERSON B W

Earliest Publication Date: 20010322



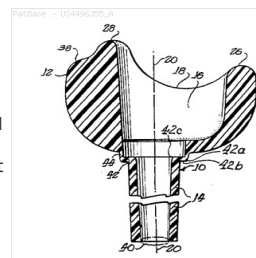
10) Family number: 2160344 (US4496355A)

EXTERNAL FEMALE URINARY APPLIANCE

Abstract: Source: US4496355A A one-piece external **female urine** collection device is disclosed. The device is adapted to be positioned within the labia folds of the user, and to be in contact with the vestibular tissue around the meatus defining the urethral opening. The device includes a generally ovoid and cup-shaped member, and has a generally centrally disposed bore opening so that **urine** can flow through the member and the device. The upper periphery of the member has a generally convexly curved exterior surface and a substantially continuously curved ridge extending upwardly therefrom defining upper portions of a cavity within the member. The upper periphery and the ridge define a generally adjacent pair of **sealing** surfaces. The inner surface is generally disposed farther upwardly relative to the outer. The adjacent surfaces permit the device to **sealingly** and continuously make contact with the **female** by engaging with the labia folds and the above-mentioned vestibular tissue. The device includes a drainage channel which is integral with a backside of the member and which communicates with the bore opening. The device further includes means for preventing the drainage channel from kinking.

Probable Assignee: ILLINOIS TOOL WORKS INC

Earliest Publication Date: 19840516



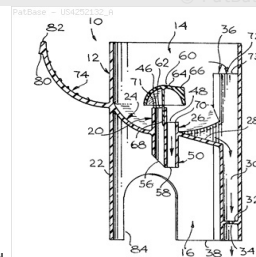
11) Family number: 1368906 (US4252132A)

MIDSTREAM **URINE** SPECIMEN COLLECTING DEVICE

Abstract: Source: US4252132A A device for collecting a **urine** specimen, which is particularly adapted for **females**, is configured and adapted for use while the user is sitting on a toilet in the normal position for voiding. The device selectively collects the clean, contaminant-free mid-stream portion of **urine**. The device includes a **urine** specimen container releasably secured to a conduit extending from a collection exit in a **urine** receiving chamber. This exit is positioned in the chamber above a **urine** bleed-off exit adapted for removing the first portion of **urine** at a controlled rate. The collection exit is remote from the bleed-off exit, is shielded from **urine** splashing thereto, as by a dome-shaped cap releasably secured thereover, and is below a **urine** overflow exit in the chamber. The chamber preferably is open topped and is supported on a hollow base within which the specimen container is disposed. An upwardly curved handle extends out from the chamber. The device is inexpensive, simple and disposable and the chamber, base, conduit and handle can be integrally molded in a single operation. The shield and specimen container can be separately formed.

Probable Assignee: DAVSTAR CALIFORNIA INC

Earliest Publication Date: 19791101



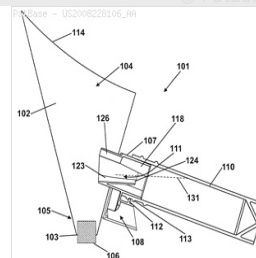
12) Family number: 33984465 (US2008228106A)

URINE COLLECTION DEVICE

Abstract: Source: US2008228106A A **urine** collection device comprises a **collector** to collect **urine** voided by a user; first and second outlets adapted to allow **urine** collected by the **collector** to drain from the device and a transfer passage adapted to transfer **urine** collected by the **collector** to a receptacle. The first outlet includes a flow rate variation device so constructed and arranged that an initial drain flow rate through the variation device is greater than a second drain flow rate through the variation device; and the second outlet comprises an overflow outlet adapted to allow **urine** collected by the **collector** to drain from the **urine** collection device at a third drain flow rate equal to or higher than the initial drain flow rate through the variation device.

Probable Assignee: FORTE MEDICAL LTD

Earliest Publication Date: 20080213



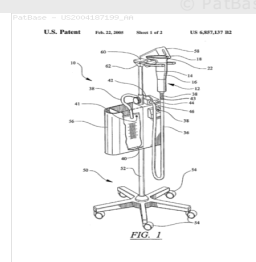
13) Family number: 31002190 (US2004187199A)

URINE COLLECTION DEVICE

Abstract: Source: US2004187199A A portable **urine** collection device having a closed loop system that is easily usable by a patient. The **urine** collection device includes a **urine** collection receptacle for receiving a fluid from a patient. The **urine** collection receptacle may be coupled to a reservoir with a conduit. The reservoir may be a disposable plastic bag having markings for determining the amount of **urine** contained in the bag. The **urine** collection receptacle may have multiple configurations and may be configured to receive **urine** from a **female** or male human being, or both. The **urine** collection device may also include a pump for pumping **urine** from the **urine** collection receptacle to the reservoir without components of the pump contacting the **urine** being pumped.

Probable Assignee: PREFERRRED MEDICAL DEVICES INC

Earliest Publication Date: 20040930



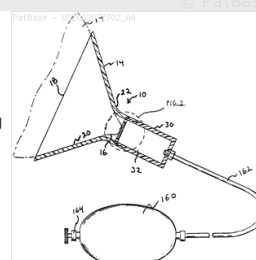
14) Family number: 30089707 (US2002072702A)

DEVICES AND METHODS FOR OBTAINING MAMMARY FLUID SAMPLES FOR EVALUATING BREAST DISEASES, INCLUDING CANCER

Abstract: Source: US2002072702A Biological samples of mammary fluid or components thereof are obtained using a breast pump device coupled with a solid phase sample collection medium, alternatively facilitated by administering oxytocin to the subject. The breast pump device stimulates expression of mammary fluid and provides for collection of diagnostic samples to evaluate breast disease, including cancer. The biological sample may include whole cells or cellular components, purified or bulk proteins, glycoproteins, peptides, nucleotides or other desired constituents comprising a breast disease marker. Methods, kits and adapter devices relating to the breast pump device are also provided. Yet additional methods, devices, accessories, and materials are provided for laboratory handling and processing of breast fluid samples and for related diagnostic methods.

Probable Assignee: ATOSSA GENETICS INC

Earliest Publication Date: 19980305



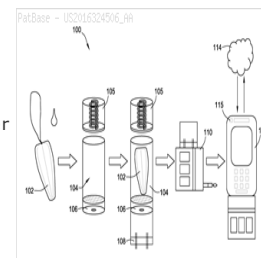
15) Family number: 61701508 (US2016324506A)

SYSTEM AND METHOD FOR MONITORING HEALTH BASED ON COLLECTED BODILY FLUID

Abstract: Source: US2016324506A A medical kit for analysis of vaginal biological samples includes a sample **collector**, an extractor, and an assay cartridge. The sample **collector** is compressible and insertable in a vaginal canal for collecting biological samples, and includes a cup-shaped head configured to cradle a cervical os. The extractor includes a sample receptacle configured to receive the sample **collector** via an open end. The extractor includes a compression mechanism with a compression element that is movable inwards into the open end of the sample receptacle to apply a compression force in response to activation of a release element. The extractor further includes a reservoir in fluid communication with the sample receptacle, the reservoir receiving the biological samples from the sample **collector** in response to the compression force being applied within the sample receptacle. The assay cartridge has a docking mechanism configured to fluidly communicate with the reservoir of the extractor.

Probable Assignee: NEXTGEN JANE INC

Earliest Publication Date: 20160218



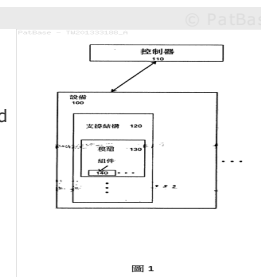
16) Family number: 66393433 (TW201333188A)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Source: TW201333188A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20130516



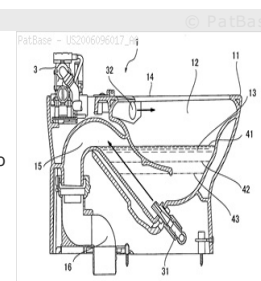
17) Family number: 31424480 (US2006096017A)

FLUSH TOILET UNIT

Abstract: Source: US2006096017A Disclosed is a flush toilet unit, which is capable of measuring a **urine** volume with a high degree of accuracy without making a significant change to a conventional water-closet structure. The flush toilet unit (1) of the present invention comprises a bowl (12) for receiving **urine** of a user therein, a trap portion (15) fluidically connected to the bowl and adapted to guide a pooled water in the bowl to a sewer pipe and to form a water **seal** relative to the sewer pipe, pooled-water discharge means (34, 35) for lowering a pooled-water level in the bowl to a given water level which is below an overflow water level in the trap portion, water-level measurement means (46) for measuring a water-level variation between the lowered pooled-water level set by the pooled-water discharge means and a water level in the bowl after urination by the user, **urine**-volume calculation means for calculating a volume of **urine** voided into the bowl by the user, in accordance with the water-level variation value measured by the water-level measurement means, and water supply means for supplying water into the bowl to return the pooled-water level in the bowl to the overflow water level.

Probable Assignee: TOTO LTD

Earliest Publication Date: 20041229



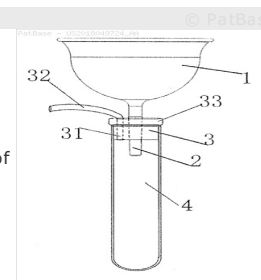
18) Family number: 64681884 (US2018049724A)

URINE SAMPLE DEVICE

Abstract: Source: US2018049724A A **urine** sample device includes a funnel for receiving **urine**, the funnel in connection with a guide tube at a lower portion of the funnel. The **urine** sample device also includes a **urine** collection tube for collecting the **urine** that flows from the funnel and through the guide tube. The **urine** sample device further includes a guide tube fixation member located at a lower portion of the funnel and an upper portion of the guide tube along an outer periphery of the guide tube. The guide tube fixation member connected to the **urine** collection tube at an upper portion of the **urine** guide tube. The **urine** sample device also includes a vent located inside the guide tube fixation member.

Probable Assignee: WUXI HUANA MEDICAL TECH CO LTD

Earliest Publication Date: 20170111



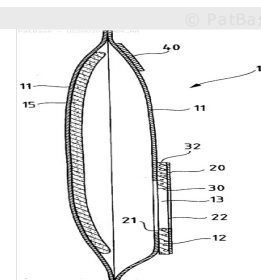
19) Family number: 30537486 (US2003073964A)

DISPOSABLE URINE COLLECTOR

Abstract: Source: US2003073964A A disposable **urine** management device including a bag having an aperture which is surrounded by an adhesively-faced flange for releasable attachment to the uro-genital area of the wearer. An absorbent material is contained within the bag.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 19991125



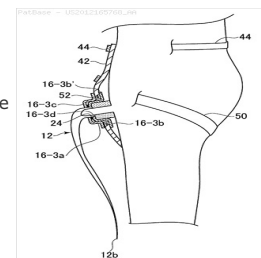
20) Family number: 48389649 (US2012165768A)

MALE URINE COLLECTOR

Abstract: Source: US2012165768A A male **urine collector** is provided. The bag comprises an elongate **urine** collecting bag sized to be worn on a lower part of a male user. The bag comprising a proximal end with a penis receiving opening for receiving a penis of a male user and, a distal end configured to be closed to collect **urine** discharged from the user's penis in the bag and to be selectively opened to discharge the collected **urine** from the bag. The male **urine collector** comprises at least one thin pliable opening ring disposed around and attached to the proximal end of the bag to open the penis receiving opening.

Probable Assignee: SEKIYAMA MIHOKO

Earliest Publication Date: 20110303



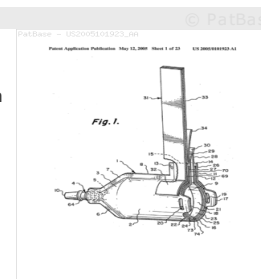
21) Family number: 31886009 (US2005101923A)

MALE URINARY INCONTINENCE SHEATH

Abstract: Source: US2005101923A A male urinary incontinence device comprises a cylindrical sheath with an open first end to receive the penis and a tubular connector at a second end for discharge of collected **urine**, the sheath having a longitudinal opening along at least one side to allow ready placement of the penis therein. A viscous gel strip is applied to the upper inner circumference of the sheath and an elastic strap is applied to the upper outer circumference of the sheath the gel strip and strap acting cooperatively to retain the sheath on the penis and to render the sheath leak proof in use. The sheath also includes a connector assembly for attachment of tubing and a **urine** collection vessel. Placement of the device may also include a mounting ring and a strap assembly.

Probable Assignee: LEADING EDGE INNOVATIONS INC

Earliest Publication Date: 20050512



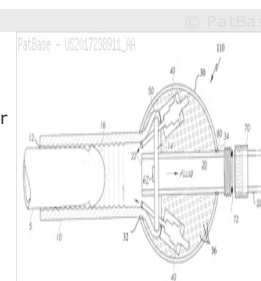
22) Family number: 66712356 (US2017238911A)

AUTOMATED COLLECTION AND ANALYSIS OF BODY FLUIDS

Abstract: Source: US2017238911A A method for collecting and analyzing **urine** at the time it is released uses a **urine** collecting tube joined with a canister. Suction is produced in the collecting tube to join the tube with a penis or to the exterior surface of a **female** urethra orifice. Once suction is achieved the collecting tube stays in place by suction action. When **urine** flows into the **urine** collecting tube a sensor triggers a vacuum pump to produce a higher level of suction to flush the **urine** into the canister where a level sensor determines the quantity of **urine** received. Various sensors in the canister determine levels of non-**urine** partials such as occult blood, drugs, salt, and other substances. When **urine** is no longer detected within the **urine** tube, the vacuum pump is turned off and a low-level vacuum remains to assure interconnection with the **urine** tube.

Probable Assignee: UR24 TECH LLC

Earliest Publication Date: 20170824



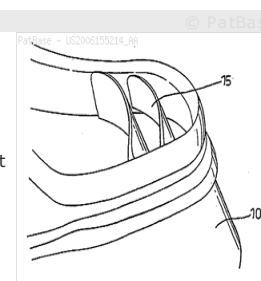
23) Family number: 23994293 (US2006155214A)

URINE COLLECTION DEVICES AND URINE COLLECTION SYSTEMS

Abstract: Source: US2006155214A A **urine** collection device for attachment to a pump and for a user in a supine, or reclined position, includes: an open-mouthed container having a rim around the mouth for being urged in use to seat generally around the periphery of the **urine** discharge region to receive **urine** discharged from the urethra, the container being adapted to fit between the legs of a user in a supine or reclined position, the container having at its lower part a reservoir basin in which fluid may collect in use when the container is applied to a user in a supine or reclined position, and an outlet in the lower part of the reservoir basin through which **urine** may be drawn from the container.

Probable Assignee: OWEN GREENINGS AND MUMFORD LTD

Earliest Publication Date: 20040311



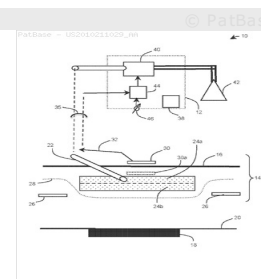
24) Family number: 43161001 (US2010211029A)

ASPIRATION SYSTEM FOR REMOVING LIQUID OTHER THAN URINE DISCHARGED BY THE HUMAN BODY

Abstract: Source: US2010211029A An aspiration system for removing liquid other than **urine**, which liquid is discharged from the human body, comprises a disposable body interface device having a liquid collection chamber. A liquid sensor detects the presence of liquid within the chamber, and controls application of aspiration suction to remove liquid from the liquid collection region. The body interface device may be a wound dressing, and the liquid wound exudate. The aspiration suction is controlled to remove only excess wound exudate.

Probable Assignee: CONVATEC TECHNOLOGIES INC

Earliest Publication Date: 20090423



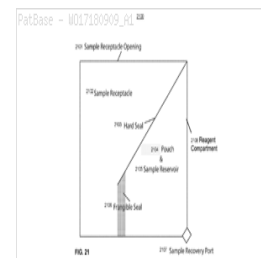
25) Family number: 67244729 (WO17180909A1)

SAMPLE COLLECTION AND PRESERVATION DEVICES, SYSTEMS AND METHODS

Abstract: The present disclosure provides systems, methods, devices, and kits for analysis of vaginal biological samples. A device for the analysis of vaginal biological samples can include a sample **collector**, an extractor, and an assay cartridge. A method for the analysis of vaginal biological samples can include detecting the presence or absence of a pathology, a disease, an immune disorder, a reproductive disorder of a subject. The method may further comprise preserving, storing, or transporting the vaginal biological samples. A kit for the analysis of vaginal biological samples can include probe, reagents and instructions for detecting a nucleic acid in the vaginal biological samples.

Probable Assignee: NEXTGEN JANE INC

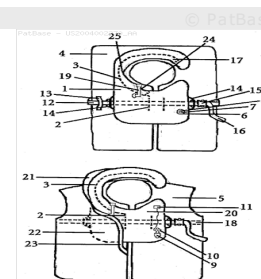
Earliest Publication Date: 20171019



26) Family number: 29581587 (US2004002270A)

VARIABLE-DISPLACEMENT VARIABLE-BALLAST LIFE RAFT INFLATED AND MAINTAINED BY A MANUAL PNEUMATIC AND OR HYDRAULIC LEVER-AMPLIFIED TORQUE PUMP THROUGH A RANGE OF DEDICATED FITTAMENTS

Abstract: Source: US2004002270A A variable volume raft containing adjustable ratio and amounts of air and or water. The buoyancy and ballast of the raft are routinely adjusted to accommodate additional occupants and changing weather conditions. A manual pump can be the primary or back up source for initial inflation. The torque pump twisted by hand or amplified by a lever arm generates air pressure for maintenance and repairing deflating lacerations at sea. The pumps **collector** gathers and pressurizes rain water for drinking in one chamber while pressurizing sea water as a stabilizing ballast in another chamber. A double hull or full floor chamber allows huge variations in buoyancy or ballast as dictated by changing needs for stability versus mobility. A compressed liquid or two-part foam confers puncture resistance to a portion of the raft. A thrown self-righting manual air horn, worn water-activated air horns and water activated transmitted signals, mark the site for rescuers.



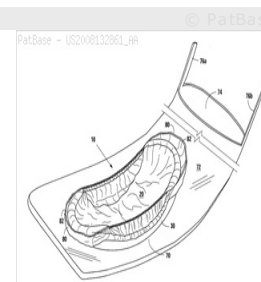
Probable Assignee: COURTNEY WILLIAM L

Earliest Publication Date: 20031113

27) Family number: 41802168 (US2008132861A)

DISPOSABLE URINE COLLECTOR WITH PAD AND SHELL

Abstract: Source: US2008132861A A disposable **urine** collection device may include an absorbent pad disposed proximate to the inner surface of a shell. The device may be contoured to be positioned against and enclose the urinary area of a user such that the absorbent pad may absorb a quantity of **urine** associated with a complete urinary discharge from the user. The absorbent pad may be formed from one or more commercially available diapers. One or more elastic cuffs may be provided to conform to the user's urinary area and to help contain the flow of **urine** as it is discharged from the user. An invertible bag may be attached to the bottom of the shell so that the user may conveniently enclose the absorbent pad after use and dispose of the device in a sanitary manner.



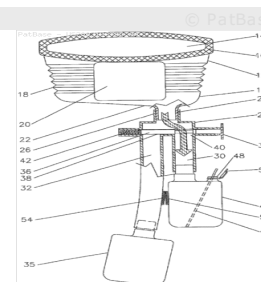
Probable Assignee: TOMES KIMBERLY L

Earliest Publication Date: 20080515

28) Family number: 28276944 (US2002193760A)

FEMALE URINE COLLECTOR

Abstract: Source: US2002193760A An upright **female urine collector** having a horizontally accordion pleated rectangular shaped **urine** collection receptacle with a tube outlet, the tube housing a manually operated two way valve disposed to direct **urine** flow either to a sample reservoir containing a chemical reagent test strip or to a **urine** sample **collector**. The two way valve can be spring activated or can be hand turned for instant **urine** flow redirection. In an alternate embodiment, an upright **female urine collector** has a **urine** collection receptacle modified to retain the chemical reagent test strip in a trench with exit means for quick test results observation.



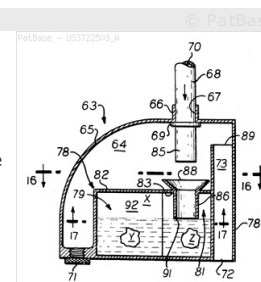
Probable Assignee: THOMPSON GAREY

Earliest Publication Date: 20021219

29) Family number: 955332 (US3722503A)

APPARATUS FOR COLLECTION OF URINE IN FEMALES

Abstract: Source: US3722503A Apparatus for collecting a midstream **urine** specimen from a **female** is described which does not require professional help. The apparatus combines a urinary guide having a urinary passageway, means on the guide to align the passageway with the **female** urethra so that a minimum of labial and vaginal secretions are entrained and a **collector** which isolates a predetermined initial volume of the micturition so that the **urine** sample collected for analysis is uncontaminated for all practical purposes.



Probable Assignee: GAMBRELL J

Earliest Publication Date: 19710608

30) Family number: 66393424 (WO13052318A1)

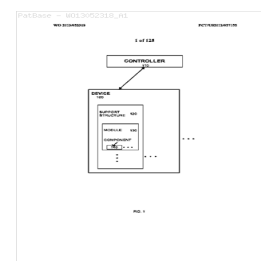
SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

PatBase - US3722503_A

Probable Assignee: THERANOS INC

Earliest Publication Date: 20130411



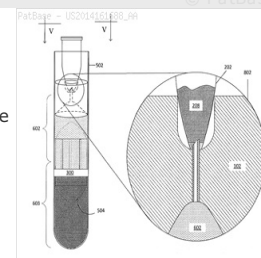
31) Family number: 56591684 (US2014161688A)

APPARATUS, SYSTEM, AND METHOD FOR COLLECTING A TARGET MATERIAL

Abstract: Source: US2014161688A This disclosure is directed to an apparatus, system and method for retrieving a target material from a suspension. A system includes a processing vessel, such as an Eppendorf tube, a syringe or a test tube, and a **collector**. The **collector** is sized and shaped to fit into a primary vessel, such as a test tube. The **collector** funnels the target material from the suspension through a cannula and into the processing vessel. The **collector** includes a funnel at a second end in fluid communication with the cannula. The cannula extends into a chamber at a first end of the **collector** that holds the processing vessel. In one implementation, the processing vessel is empty. In another implementation, the processing vessel includes at least one displacement fluid. In yet another implementation, the processing vessel may include at least one displacement fluid and at least one processing solution. The **collector** may also expel at least one displacement fluid from the processing vessel, such that the at least one displacement fluid pushes the target material into the **collector**.

Probable Assignee: RARECYTE INC

Earliest Publication Date: 20140605



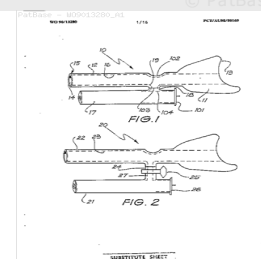
32) Family number: 3312351 (ZA9003244A)

MID STREAM URINE DEVICE

Abstract: Mid stream devices for use by a standing, sitting, squatting or generally supine **female** or male are disclosed. The devices direct a **urine** stream a satisfactory distance away from the **female** or male and permit collection of a mid stream **urine** sample from the stream. The device for the **female** includes a body having a discharge passage therethrough for receiving and discharging the stream from an ostium urethrae externum feminae the body having a **urine** stream receiving portion defining one end of the passage, disposed in a skin abutting end operatively coupled to or integral with the body, a **urine** stream exit portion defining the other end of the passage, disposed in a **urine** discharge end portion operatively coupled to or integral with the body and a mid stream sampling port disposed intermediate to the receiving portion and the exit portion of the discharge passage. The device for the male includes a body having a discharge passage therethrough for receiving and discharging the stream from an ostium urethrae externum masculinae the body having a **urine** stream receiving portion defining one end of the passage, disposed in a penis receiving end operatively coupled to or integral with the body, a **urine** stream exit portion defining the other end of the passage, disposed in a **urine** discharge end portion operatively coupled to or integral with the body and a mid stream sampling port disposed intermediate to the receiving portion and the exit portion of the discharge passage.

Probable Assignee: UROSHIELD PTY LIMITED

Earliest Publication Date: 19901028



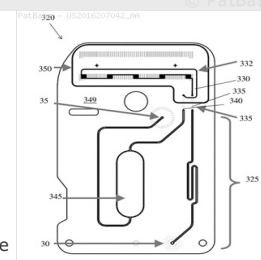
33) Family number: 62660115 (US2016207042A)

FLUIDIC SYSTEMS COMPRISING AN INCUBATION CHANNEL, INCLUDING FLUIDIC SYSTEMS FORMED BY MOLDING

Abstract: Source: US2016207042A Fluidic devices and methods involving incubation and/or mixing of assay components are provided. In some embodiments, a biological and/or chemical assay may be performed in fluidic device. The fluidic device may be designed to allow for controlled incubation and/or mixing of two or more assay components. In some such embodiments, the fluidic device may comprise an incubation channel having a relatively large cross-sectional dimension in fluid communication with a detection channel. The incubation channel may allow for adequate mixing and/or incubation of two or more assay components prior to analysis of the assay. In certain embodiments, the detection channel may be used to provide feedback on the extent of incubation and/or mixing. Based on the feedback, one or more component of the fluidic system may be regulated to allow the requisite degree of mixing and/or incubation to be achieved. In some embodiments, the controlled incubation and/or mixing of assay components in an incubation channel, as described herein, may allow for improved assay performance.

Probable Assignee: OPKO DIAGNOSTICS LLC

Earliest Publication Date: 20160616



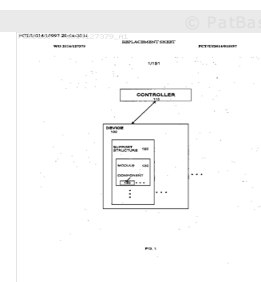
34) Family number: 66393428 (WO14127379A1)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20140821



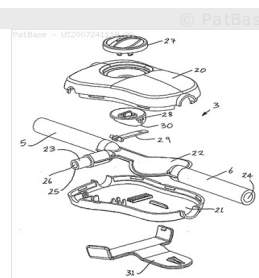
35) Family number: 40491607 (US2007241119A)

FLUID FLOW INDICATOR

Abstract: Source: US2007241119A A fluid flow indicator (3) for use in a medical drainage device for draining fluid from a pleural cavity of a patient comprises an upper housing part (20), a lower housing part (21), a balloon member (22), a sampling port (23), and a control mechanism to selectively control flow of a body fluid through the balloon member (22) or through the sampling port (23). The balloon member (22) defines a lumen therethrough. Upon flow of a body fluid into the balloon member (22), for example upon inhalation of a patient, the balloon member (22) inflates from a deflated rest configuration to an inflated flow configuration. This inflation of the balloon member (22) provides a visual indication to an operator of the flow of the body fluid through the balloon member (22). When flow of the body fluid ceases, for example upon exhalation of a patient, the balloon member (22) deflates from the inflated flow configuration to the deflated rest configuration. This deflation of the balloon member (22) provides a visual indication to the operator of the cessation of the flow of the body fluid through the balloon member (22).

Probable Assignee: AVONMED HEALTHCARE LTD

Earliest Publication Date: 20071018



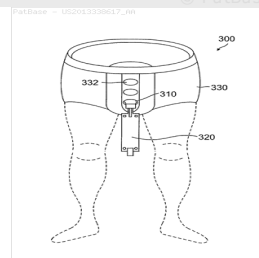
36) Family number: 55373956 (US2013338617A)

EXTERNAL URINARY CATHETER SYSTEM

Abstract: Source: US2013338617A A male external urinary catheter system includes an external **collector** having a proximal portion configured to receive a user's penis and a distal portion, a retaining structure configured to urge the proximal end of the external **collector** against the user's body adjacent the base of the penis, and a drainage container coupled to the distal portion of the external **collector**.

Probable Assignee: NEWTON SHEILA

Earliest Publication Date: 20131219



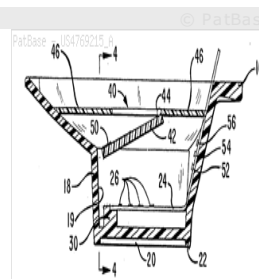
37) Family number: 4862137 (US4769215A)

INTEGRITY PRESERVING AND DETERMINING URINE SAMPLE COLLECTION APPARATUS

Abstract: Source: US4769215A A **urine** collection apparatus includes a tamper-proof, one way valve to make sure that freshly voided samples of **urine** are not tampered with. A chemical type thermometer is located in the reservoir to make sure that the **urine** sample is fresh when collected. An enzyme poison detector station helps to insure that bleach or other chemicals haven't been added to the **urine** to adulterate the specimen. The one way valve preferably comprises a trap door that closes as the **urine** sample fills up the reservoir. The presence of an adhesive substance around the edge of the trap door keeps the trap door shut after the **urine** sample has been collected.

Probable Assignee: FRANKLIN DIAGNOSTICS INC A NEW JERSEY CORP

Earliest Publication Date: 19880906



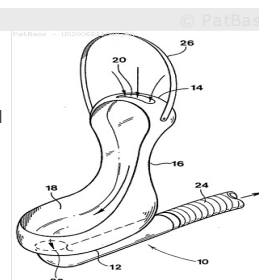
38) Family number: 33025163 (US2006111648A)

URINE COLLECTION APPARATUS

Abstract: Source: US2006111648A **Urine** collection apparatus is provided which can be used to assist bedridden and/or incontinent patients, particularly **female** patients. The apparatus includes a **urine collector** which is shaped for location against the perineal region of a patient adjacent the urethra. The **urine collector** comprises a hollow body having opposed ends in which an inlet for air and an outlet for air and **urine** are formed, respectively. The body has a central region between the end regions with a reduced cross-sectional area. This effectively creates a venturi adjacent the patient's urethra when air passes through the **collector**. The apparatus includes a **urine** receptacle with an inlet for receiving air and **urine** from the **collector**, and an outlet for air which is connectable to a source of low pressure. The source of low pressure will typically be an impeller driven by an electric motor, which creates a sufficiently strong air flow through the apparatus to entrain **urine** and transport it to the receptacle.

Probable Assignee: ONKOLOGIE INTERNAZIONALE BELEGGINGS PROPRIETARY LTD

Earliest Publication Date: 20060525



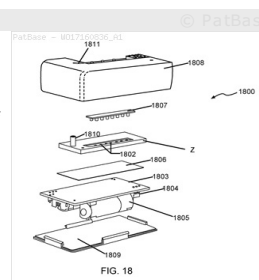
39) Family number: 67015830 (WO17160836A1)

SYSTEMS AND METHODS FOR PERFORMING BIOLOGICAL ASSAYS

Abstract: Systems and methods for performing biological assays are provided herein. The systems and methods determine one or more characteristics of a nucleic acid amplification sample based on a modified optical property of the sample.

Probable Assignee: DIASSESS INC

Earliest Publication Date: 20170921



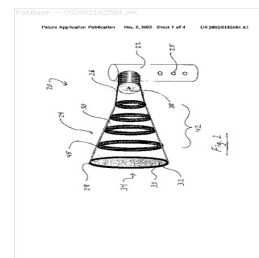
40) Family number: 28311728 (US2002182584A)

NONINVASIVE INTRADUCTAL FLUID DIAGNOSTIC SCREEN

Abstract: Source: US2002182584A Disclosed is a method and apparatus for accomplishing a noninvasive screen for breast disease markers, including breast cancer markers and cytologically abnormal cells. Intraductal fluid is noninvasively aspirated using compression, heating and suction cycles. The removed sample is thereafter assayed for the presence of cytologically abnormal cells and/or one or more breast disease markers. Sample size and intraductal mobility of breast disease markers may be enhanced by retrograde introduction of a carrier. Devices and assays are also disclosed.

Probable Assignee: HHC PREFERRED LLC

Earliest Publication Date: 20021205



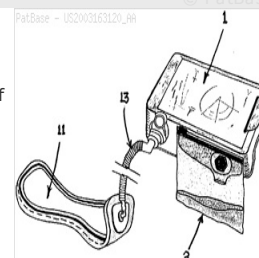
41) Family number: 29020482 (US2003163120A)

AUTOMATIC BLADDER RELIEF SYSTEM

Abstract: Source: US2003163120A This invention relates to an automatic or semi-automatic bladder relief system, specifically designed to increase the overall sanitation and comfort for users that may require a means to dispose of their **urine** in the absence of other sanitary facilities due to situations such as aircraft pilots and incontinent individuals.

Probable Assignee: MARK R

Earliest Publication Date: 20030828



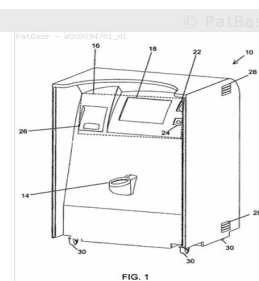
42) Family number: 43593169 (WO09094761A1)

APPARATUS AND METHOD FOR URINALYSIS

Abstract: A urinalysis apparatus operates in an automated fashion to determine at least one user characteristic from at least one measured parameter of a **urine** sample that is provided directly by a user. The urinalysis apparatus includes an inlet for receiving the **urine** sample and at least one sensor unit having at least one sensor configured to measure at least one parameter from at least a portion of the **urine** sample. The urinalysis apparatus also has a **urine** transport assembly for transporting the **urine** sample from the inlet to a sensor unit during a measurement mode, and a cleansing fluid transport assembly for disposing of the **urine** sample after the measurement mode and cleansing the apparatus during a cleanse mode. The urinalysis apparatus can also include other sensor units and a flow meter unit.

Probable Assignee: EXCELTION MEDICAL INNOVATIONS

Earliest Publication Date: 20090806



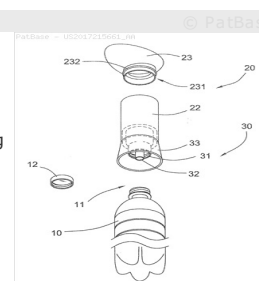
43) Family number: 66515049 (US2017215661A)

PORTABLE URINAL

Abstract: Source: US2017215661A A portable urinal is arranged for coupling with a bottle having a bottle opening, wherein the portable urinal includes an **urine collector** having a funnel channel for receiving **urine** expelled by a user, and an attachment head including a detachable lid extended from the **urine collector** for detachably coupling at the bottle opening of the bottle, and a tubular urinal guider extended from the detachable lid for inserting into the bottle opening of the bottle when the detachable lid is coupled at the bottle opening of the bottle so as to guide the **urine** into the bottle from the funnel channel. After use, the portable urinal is detached from the bottle and a bottle cap is re-placed at the bottle opening to **seal** the **urine** in the bottle.

Probable Assignee: KUO HAN

Earliest Publication Date: 20170801



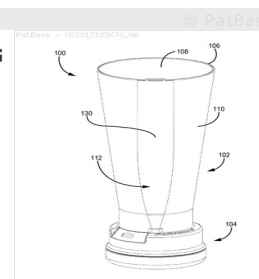
44) Family number: 65471666 (US2017105670A)

CAPACITIVE MEASUREMENT DEVICE WITH INTEGRATED ELECTRICAL AND MECHANICAL SHIELDING

Abstract: Source: US2017105670A A substance measurement device includes: a container portion configured to receive a substance; a sensing device configured to measure a property of the substance related to at least one of a flow rate of the substance into the container portion, a level of the substance within the container portion, and a volume of the substance within the container portion; and at least one shield positioned within the container portion and configured to provide at least one of: a mechanical buffer between the substance entering the container portion and the sensing device; and an electrical shield between the substance entering the container portion and the sensing device.

Probable Assignee: STREAM DX INC

Earliest Publication Date: 20170420



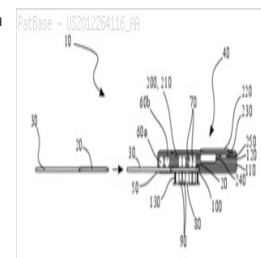
45) Family number: 52144163 (US2012264116A)

METHODS AND APPARATUS FOR POINT-OF-CARE NUCLEIC ACID AMPLIFICATION AND DETECTION

Abstract: Source: US2012264116A Methods and apparatus are provided for point-of-care nucleic acid amplification and detection. One embodiment of the invention comprises a fully integrated, sample-to-answer molecular diagnostic instrument that optionally may be used in a multiplexed fashion to detect multiple target nucleic acid sequences of interest and that optionally may be configured for disposal after one-time use. Optionally, sample preparation is fully or partially achieved via heat treatment and/or using a filter paper, such as a chemically treated filter paper, e.g., an FTA card. The instrument preferable utilizes an isothermal nucleic acid amplification technique, such as loop-mediated isothermal amplification (LAMP), to reduce the instrumentation requirements associated with nucleic acid amplification. Detection of target amplification may be achieved, for example, via detection of a color shift or fluorescence in a dye added to the amplification reaction.

Probable Assignee: CORPOROS INC

Earliest Publication Date: 20121018



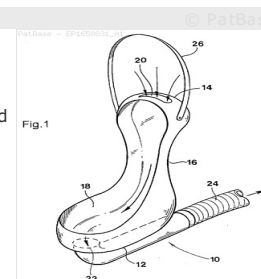
46) Family number: 33022449 (EP1658831A1)

URINE COLLECTION APPARATUS

Abstract: Source: EP1658831A1 **Urine** collection apparatus is provided which can be used to assist bedridden and/or incontinent patients, particularly **female** patients. The apparatus includes a **urine collector** which is shaped for location against the perineal region of a patient adjacent the urethra. The **urine collector** comprises a hollow body (10) having opposed ends in which an inlet (20) for air and an outlet (22) for air and **urine** are formed, respectively. The body has a central region between the end regions with a reduced cross-sectional area. This effectively creates a venturi adjacent the patient's urethra when air passes through the **collector**. The apparatus includes a **urine** receptacle with an inlet (44) for receiving air and **urine** from the **collector**, and an outlet (46) for air which is connectable to a source (38) of low pressure. The source of low pressure will typically be an impeller driven by an electric motor, which creates a sufficiently strong air flow through the apparatus to entrain **urine** and transport in to the receptacle.

Probable Assignee: ONKOLOGIE INTERNASIONALE BELEG

Earliest Publication Date: 20060524



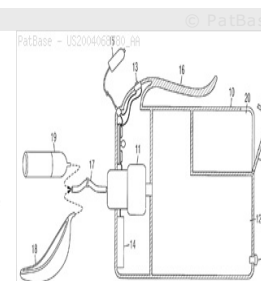
47) Family number: 30064111 (US2004068780A)

PUMP AUGMENTED URINE COLLECTOR

Abstract: Source: US2004068780A A **urine collector** is comprised of a container with an electric suction pump. A hose extending from the pump is connected to a funnel for collecting **urine**. The funnel is comprised of an interchangeable **female** or male funnel. The **female** funnel is comprised of a cup with an elongated and curved opening for closely fitting under and against a vulva. The male funnel is comprised of a penis-shaped tube with a resilient **sealing** ring around an open end for **sealing** around an inserted penis. The funnel can be positioned against the body through a fly in the pants, through a loosened waistband, or under a dress. **Urine** deposited in the funnel is rapidly drawn into the container by the pump even when the funnel and the top end of the tube are angled up and define an initially uphill path for the **urine**, such as when the user is seated.

Probable Assignee: WOELFEL ROBERT

Earliest Publication Date: 20031204



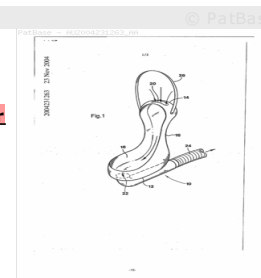
48) Family number: 33098686 (AU2004231263A)

URINE COLLECTION APPARATUS

Abstract: Source: AU2004231263A A **urine** collection apparatus is provided which can be used to assist bedridden and/or incontinent patients, particularly **female** patients. The apparatus C1 includes a **urine collector** which is shaped for location against the perineal region of a patient adjacent the urethra. The **urine collector** comprises a hollow body (1) having opposed ends (14) and (12) in which an inlet (2) for air and an outlet (22) for air and **urine** are formed, respectively. The body has a central region (16) between the end regions with a reduced cross-sectional area. This effectively creates a venturi adjacent the patient's urethra when air passes through the **collector**. The apparatus includes a **urine** receptacle with an inlet (44) for receiving air and **urine** from the **collector**, and an outlet (46) for air which is connectable to a source (38) of low pressure. The source of low pressure will typically be an impeller driven by an electric motor, which creates a sufficiently strong air flow through the apparatus to entrain **urine** and transport it to the receptacle.

Probable Assignee: ONKOLOGIE INTERNASIONALE BELEG

Earliest Publication Date: 20060608



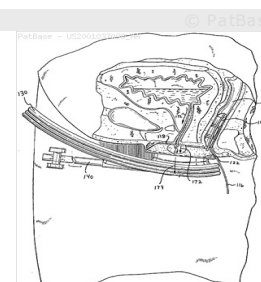
49) Family number: 30085393 (US2001037098A)

URINE RETENTION AND COLLECTION DEVICES FOR INCONTINENT WOMEN

Abstract: Source: US2001037098A A feminine care device for collecting **urine** including a reservoir defining a recess for receiving **urine**. The reservoir has a rim and flange configured for periurethral **sealing** and adhesion to the labia minora, respectively. A tab depends from the reservoir for engagement and adhesion to the anterior vaginal wall. A drain for selectively draining **urine** from the reservoir is provided.

Probable Assignee: MATTHEW G LAPOINTE

Earliest Publication Date: 20010802



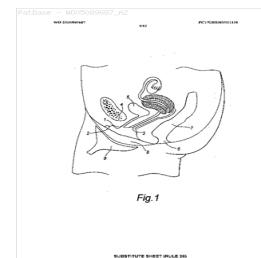
50) Family number: 30577587 (WO05089687A3)

URINE INCONTINENCE DEVICE

Abstract: The present invention relates to urination devices, and in particular to urination devices for use by **female** users suffering from urinary incontinence or having impaired mobility. An embodiment of the invention comprises a **urine** receptor (11) having a receptor wall (12), a **urine** inlet area (14), an outlet orifice (15) within the receptor wall and a recess (22) provided in the receptor wall in which residual **urine** can pool prior to leaving the receptor outlet orifice.

Probable Assignee: JBOL LTD

Earliest Publication Date: 20050929



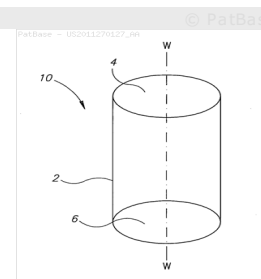
51) Family number: 41654108 (US2011270127A)

BIOLOGICAL FLUID RECEPTACLE

Abstract: Source: US2011270127A There is provided a biological fluid receptacle that includes an outer surface adapted to be affixed to a carrier and a receptacle cavity adapted to receive and retain biological fluids.

Probable Assignee: LOTUS BIO NYMPHAEA LTD

Earliest Publication Date: 20080327



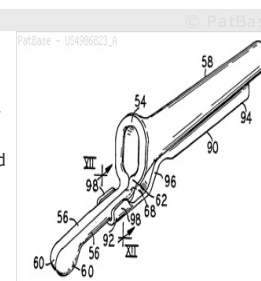
52) Family number: 3313559 (US4986823A)

URINARY AID FOR HUMAN FEMALES

Abstract: Source: US4986823A A urinary device for human **females** includes a body of flexible material having a pair of first and second angularly related limbs for insertion into the vagina and a **collector** extending externally of the vagina with a central opening over the urethral meatus. A collection tube for guiding **urine** away from the body is attached to the **collector**. An applicator is provided for some embodiments, while other embodiments are shaped for manual insertion. Various shapes and angles of the body are shown as are different angles of the collection tubes.

Probable Assignee: MEDPOINT CORP

Earliest Publication Date: 19901115



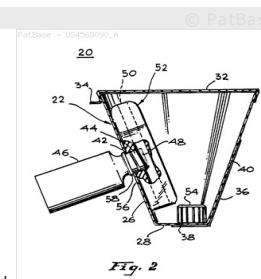
53) Family number: 6485916 (US4569090A)

DISPOSABLE URINE SPECIMEN COLLECTING DEVICE

Abstract: Source: US4569090A An improved device adapted for selectively, inexpensively, sterile, and rapidly collecting, in a simple manner, the mid-stream portion of **urine** during voiding. The components of the device are easy and economical to mass manufacture and assemble and are disposable. They comprise an open topped cup which is preferably generally inverted frusto-conical in shape and has a first small opening in the bottom thereof to drain off the initial portion of **urine** as it is voided. The cup sidewall has a second opening through which extends the neck of a **urine** collecting bottle, the open head of which is in the cup interior. A resilient plug, preferably of plastic, releasably grips the neck and **seals** the bottle to the cup, while shielding the bottle head from direct access of **urine** as it passes into the cup. The plug has a **urine** passageway extending upwardly therethrough into contact with the bottle head. An overflow opening, preferably in the form of an inverted triangle, is disposed in the cup sidewall at about the height of the second cup opening. The device includes a cap for closing the bottle after use and has removable closures over its open top, bottom opening and overflow opening for sterile protection. It is immediately useable as soon as the closures are removed.

Probable Assignee: UROHEALTH INC

Earliest Publication Date: 19851218



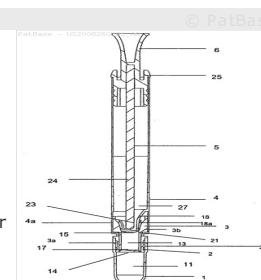
54) Family number: 30428098 (US2008260581A)

SAMPLING AND ASSAY DEVICE

Abstract: Source: US2008260581A A sampling and assay device comprises at least three chamber portions (1, 3, 4) connected together in a row. Each chamber portion (1, 3, 4) defines a chamber (11, 13, 27) and adjacent chambers (11, 13, 27) along the row are separated by respective partitions (14, 15). One end chamber (4) is capable of receiving a sample either on a swab or as a liquid. The other chambers (11, 13) contain reagent for performing the assay. Adjacent chamber portions (1, 3, 4) along the row are relatively movable towards each other. In respect of each pair of adjacent chamber portions (1, 3), one of the adjacent chamber portions (1) has the respective partition (14) fixed thereto and the other of the adjacent chamber portions (3) has a rupture member (17) arranged to rupture the respective partition (14) on relative movement of the adjacent chamber portions (1, 3). As a result, the sampling and assay device is capable of rupturing each partition (14, 15) simultaneously on relative movement of the chamber portions (1, 4) at the ends of the row towards each other. Also, each pair of adjacent chamber portions (1, 3) have respective connection portions (2 a, 3 a) mated together, the connection portions (2 a, 3 a) being designed to allow further chamber portions identical to an intermediate chamber portion to be connected into said row.

Probable Assignee: ORION DIAGNOSTICA OY

Earliest Publication Date: 20050804



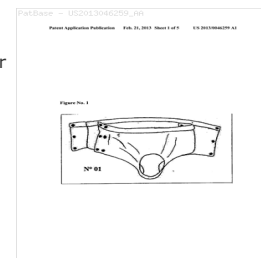
55) Family number: 49743004 (US2013046259A)

CONTROL OF HANDICAPPING LIQUIDS

Abstract: Source: US2013046259A Control of handicapping liquids designed as a system for control of voluntary or involuntary loss of **urine**, and an control of menstrual flow in women. It is hermetic and has a washing and disinfecting option. For women it is a slip, panties or shorts provided with a latex envelope, for management of the genital organs, with an open sleeve for receiving the genital organs for men and a membrane which serves as a urinal for both sexes and is **sealed** by a hypoallergenic adhesive around the organs in order to **seal**

Probable Assignee: MOKRANE MOHAMED

Earliest Publication Date: 20111013



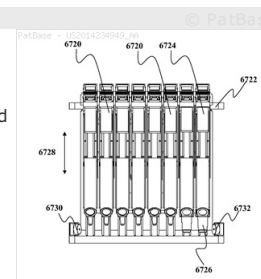
56) Family number: 66393456 (US2014234949A)

SYSTEMS AND METHODS FOR FLUID AND COMPONENT HANDLING

Abstract: Source: US2014234949A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS IP CO LLC

Earliest Publication Date: 20140821



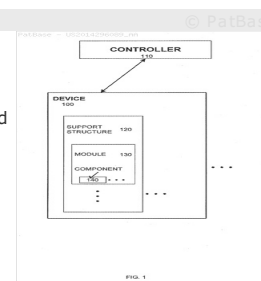
57) Family number: 66393457 (US2014296089A)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Source: US2014296089A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20141002



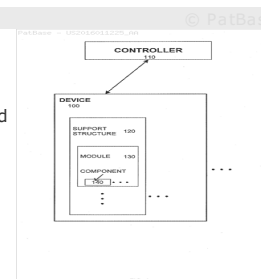
58) Family number: 66393466 (US2016011225A)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Source: US2016011225A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS IP CO LLC

Earliest Publication Date: 20160114



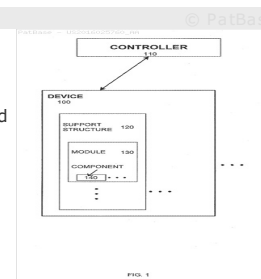
59) Family number: 66393467 (US2016025760A)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Source: US2016025760A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20160128



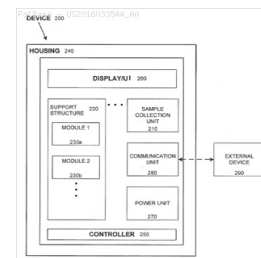
60) Family number: 66393470 (US2016033544A)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Source: US2016033544A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

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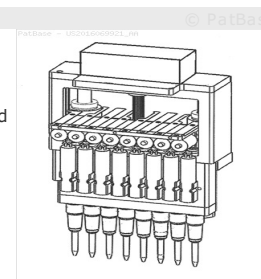
61) Family number: 66393474 (US2016069921A)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Source: US2016069921A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS IP CO LLC

Earliest Publication Date: 20160310



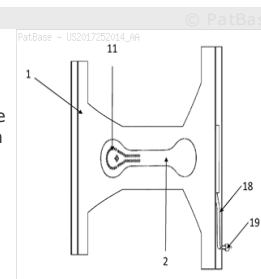
62) Family number: 65617169 (US2017252014A)

URINE COLLECTION DEVICE FOR DEPENDENT PATIENTS

Abstract: Source: US2017252014A The present invention provides a device that allows the collection of **urine** samples in patients who are not self-sufficient, providing a simple method to operate both for the patient and for the health personnel. The device is equipped with a primary collection system and a secondary collection system, which allows to obtain a complete sample of **urine** that can be transported for further analysis in the laboratory.

Probable Assignee: HOYOS REYES ALICIA

Earliest Publication Date: 20170511



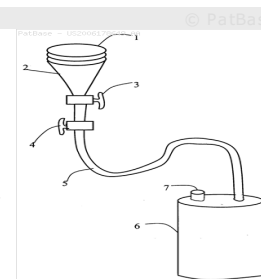
63) Family number: 33191575 (US2006178649A)

METHODS OF USING A CANNED VACUUM SOURCE PARTICULARLY IN A DISPOSABLE URINE COLLECTION KIT WITH A BUILT-IN VACUUM PRESSURE

Abstract: Source: US2006178649A A vacuum apparatus including a vacuum means for maintaining a built-in vacuum pressure, a means for connecting said vacuum means with a surface; and a means for equalizing pressure in said vacuum means and pressure on said surface. A method to treat patients using a disposable vacuum source, including applying the disposable vacuum apparatus to the patient's skin, equalizing the pressure in the vacuum apparatus and the pressure on the skin to apply a vacuum suction force, and releasing the vacuum suction force by equalizing the pressure on the skin with the ambient atmospheric pressure.

Probable Assignee: MA FENG

Earliest Publication Date: 20060810



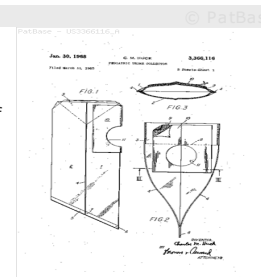
64) Family number: 422602 (US3366116A)

PEDIATRIC URINE COLLECTOR

Abstract: Source: US3366116A ABSTRACT OF THE DISCLOSURE
A pediatric **urine collector** in which the plastic sheet material is seamed down each side with folds in the middle of the front and back walls, the bottom being closed by a seam extending between said folds and intersecting the side seams, and the top being closed by an expansible gusset, adapted to provide fullness in the upper part of the **collector** when in use; the basic construction being adaptable, by the addition of a small wedge-like projection in the form designed for **female** infants, to the complete elimination of leakage in the lower perineal area.

Probable Assignee: CHARLES M HUCK

Earliest Publication Date: 19671004



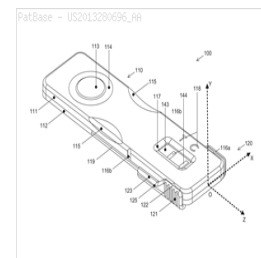
65) Family number: 55005511 (US2013280696A)

DEVICES AND METHODS FOR DETECTING ANALYTE IN BODILY FLUID

Abstract: Source: US2013280696A A test device for detecting an analyte in a sample of bodily fluid, includes at least one hollow needle configured to obtain a sample of bodily fluid, an enclosure configured to contain a reagent, a portion configured to open the enclosure, a test results indicator configured to absorb the bodily fluid, the test results indicator including at least one test zone configured to indicate the presence of an analyte in the bodily fluid when the at least one test zone is in fluidic contact with the reagent, a housing, and a cover configured to be movable with respect to the housing between a closed position precluding access to the at least one hollow needle and an open position permitting access to the at least one hollow needle. Additionally, the at least one hollow needle is in fluid communication with the test results indicator.

Probable Assignee: UHL II LLC

Earliest Publication Date: 20131024



66) Family number: 70564543 (DE202017104969U1)

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VERSORGUNGSVORRICHTUNG FUER INKONTINENZ BEI FRAUEN SUPPLY FOR INCONTINENCE IN WOMEN (MACHINE TRANSLATION)

Abstract: Source: DE202017104969U1 Versorgungsvorrichtung fuer Inkontinenz bei Frauen umfassend- ein Urinsammelelement (2) mit einer Urinableitung (21),- eine Unterhose (3) mit einer Durchfuehrung (31) fuer die Urinableitung (21),- und ein Fixierelement (4), wobei die Urinableitung (21) des Urinsammelelementes (2) durch die Durchfuehrung (31) in der Unterhose (3) gefuehrt ist und das Fixierelement (4) auf der, dem Urinsammelelement (2) abgewandten Seite der Unterhose (3) an der Urinableitung (21) befestigt ist und das Urinsammelelement (2) an der Unterhose (3) ortsfest und verdrehsicher festhaelt. Supply for incontinence in women comprising- a **urine** collection element (2) having a **urine** derivative (21),- a underpants (3) with a hub (31) for the **urine** derivative (21), and a fixing element (4), wherein the **urine** derivative (21) of the **Urine** Collection element (2) by performing (31) in the underwear (3), and the fixing element (4) on the side facing away from the **urine** collection element (2) of the underpants (3) at the **urine** derivative (21) and the **Urine** Collection element (2) at the pants (3) fixed and cannot rotate.

Probable Assignee: JOVANOV MILE

Earliest Publication Date: 20180726

67) Family number: 42800765 (US2009013452A)

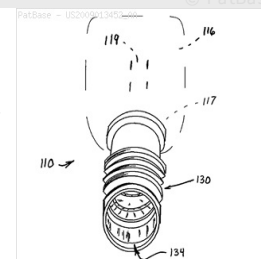
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FLEXIBLE SPOUT FOR A PORTABLE URINAL

Abstract: Source: US2009013452A A urinal includes a **urine** receiving reservoir and a spout extending therefrom for receiving **urine**. In a preferred embodiment, the spout may be composed of a bendable resilient material and the reservoir may be composed of the same resilient material. A method of modifying a standard portable urinal by replacing the supplied cap with a flexible extender spout is also disclosed.

Probable Assignee: LADYZ BY DESIGN LLC

Earliest Publication Date: 20090115



68) Family number: 3890822 (US4692160A)

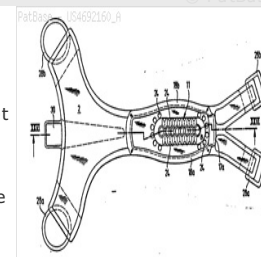
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URINE COLLECTOR FOR INCONTINENT WOMEN HAVING ZIG-ZAG WALLS

Abstract: Source: US4692160A PCT No. PCT/CH85/00081 Sec. 371 Date Jan. 14, 1986 Sec. 102(e) Date Jan. 14, 1986 PCT Filed May 14, 1985 PCT Pub. No. WO85/05264 PCT Pub. Date Dec. 5, 1985. In a part (2) comprised of a slightly elastic material, a **collector** structure (11) is arranged above a collecting cavity (19) provided with an outlet (7). The **collector** structure (11) is comprised of two side pieces (11a, 11b) in the form of zigzag-shaped prominences. The structure delimits a wet zone (22), while a moist zone (23) is delimited by the lateral regions (18a, 18b) of the border (18) together with a rear bead (17) and a front bead (15). The **collector** structure (11) is placed between the labia minora and labia majora of the woman, while the elements delimiting the moist zone come to lie outside the labia majora. The inventive **urine collector** enables incontinent women to freely move about without risk of their garments being contacted with **urine**.

Probable Assignee: NUSSBAUMER MAX

Earliest Publication Date: 19851205



69) Family number: 14956499 (US6183454B)

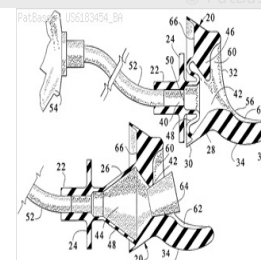
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EXTERNALLY SUPPORTED FEMALE URINARY COLLECTOR

Abstract: Source: US6183454B A urinary collection device for human **females** has a collecting basin with an oval inlet and a skirt around the outside of the oval inlet. A projection is provided from a short side of the oval inlet for insertion into the entrance to the vaginal opening to position the inlet about the urethral opening. A back of the collecting basin has a portion for receiving pressure to urge the inlet into a liquid tight **seal** against the user. The outlet of the collecting basin has a portion for connecting to a collecting tube which leads to a collecting reservoir. Some embodiments include a bellows between an outlet of the collecting basin and the portion for connection to the collecting tube. The bellows flexes to permit changes in angular orientation between the collecting basin and the collecting tube. An embodiment of the bellows may flex into a conical void within the back of the collecting basin to draw **urine** into the collection device upon unflexing, or expanding, of the bellows.

Probable Assignee: MEDPOINT CORP

Earliest Publication Date: 19991118



70) Family number: 53039348 (US2013042877A)

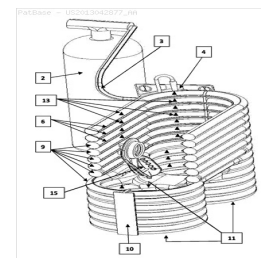
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OXYGEN HEALING SYSTEM AND METHOD OF USE

Abstract: Source: US2013042877A This invention relates to a pressure related ulcer and perineal dermatitis prevention and treatment device and method of use. The device may be used in conjunction with a **urine** collection and disposal system that would be beneficial for incontinent users. In use the device forms an automatic pressure controlled topical hyperbaric oxygen chamber and further incorporates a flexible inflated tube system that is controlled by a microprocessor to relief pressure on affected areas of a user's body and provide circulation stimulating therapeutic massage. When used by incontinent persons the device automatically removes expressed **urine** to minimize additional risk factors known to cause or exacerbate pressure related ulcers and perineal dermatitis.

Probable Assignee: HARVIE MARK R

Earliest Publication Date: 20130221



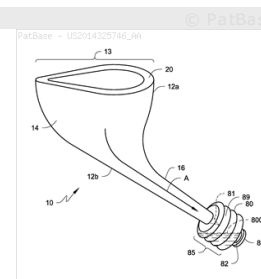
71) Family number: 53990324 (US2014325746A)

FLUID VOIDING APPARATUS WITH VACUUM DEVICE

Abstract: Source: US2014325746A An external fluid voiding apparatus that may be configured for either **female** or male use includes a container, a conduit and a vacuum device, which define a **urine** drainage passage. The vacuum device may be deformed externally so as to create a vacuum effect inside the apparatus when the apparatus is fitted around the **female**'s vulval region or the male's penis. The vacuum effect facilitates drawing **urine** from a reservoir of the container to the vacuum device through the conduit. The **urine** may be collected and stored in the vacuum device. A user may drain the **urine** collected inside the vacuum device through a drainage port. Alternatively, a user may disconnect a used vacuum device and replace it with a clean one.

Probable Assignee: FEMMED INC

Earliest Publication Date: 20130606



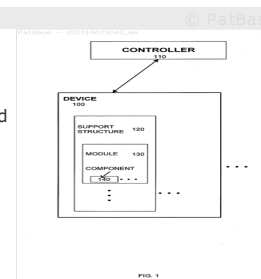
72) Family number: 66393451 (US2014073043A)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Source: US2014073043A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20140313



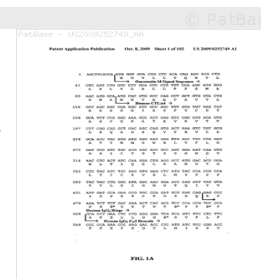
73) Family number: 34705797 (US2009252749A)

COMPOSITIONS AND METHODS FOR PRODUCING A COMPOSITION

Abstract: Source: US2009252749A The invention provides for mammalian cells capable of producing recombinant CTLA4-Ig and variants thereof. The invention also provides for compositions comprising CTLA4-Ig and formulations thereof. The invention further provides for methods for mass-producing CTLA4-Ig from mammalian cells capable of producing this recombinant protein, and for purifying the CTLA4-Ig.

Probable Assignee: BRISTOL MYERS SQUIBB CO

Earliest Publication Date: 20070705



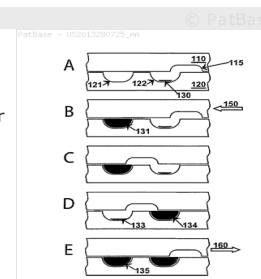
74) Family number: 55003568 (US2013280725A)

FLUIDIC DEVICES FOR BIOSPECIMEN PRESERVATION

Abstract: Source: US2013280725A The present invention relates to fluidic devices for preparing, processing, storing, preserving, and/or analyzing samples. In particular, the devices and related systems and methods allow for preservation or storage of samples (e.g., biospecimen samples) by using one or more of a bridge, a membrane, and/or a desiccant.

Probable Assignee: TALIS BIOMEDICAL CORP

Earliest Publication Date: 20131024



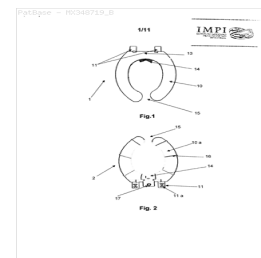
75) Family number: 57311263 (MX348719B)

UNISEX URINAL SEAT FOR WC.

Abstract: The present invention refers to a WC seat adapted in an ordinary manner as a WC cap but acting as a urinal, the unisex urinal seat for WC will save up to 90 percent in water since discharged water is not used for disposing **urine**, the invention including an upper cap, a middle seat adapted with a **collector** which is simultaneously adapted to an anti-odor shut-off valve, a draining hose and a plurality of orifices intended to drain the **urine** to the municipal network through the space of the toilet siphon. The human wastes (solid and liquid) are disposed in an independent manner.

Probable Assignee: FERNANDO GONZALEZ BRAVO

Earliest Publication Date: 20140522



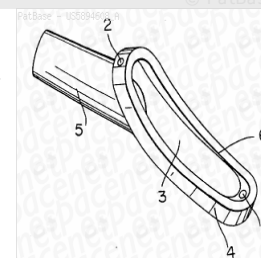
76) Family number: 11537685 (US5894608A)

PORTABLE SYSTEM FOR THE COLLECTION OF URINE

Abstract: Source: US5894608A This invention relates to a compact, fully portable processing system for collection, sterilization, deodorization and eventual disposal of urine. The system is comprised of several detachable components which include male and female urine receptacles, an electric motor and fan assembly or any other suction source for providing the forced air flow required for urine entrainment; and a liquid collection bottle or reservoir. Optional but desirable features may include a gas/liquid separation or demisting element and a deodorizing filter. The system is self contained and readily disassembled for easy cleaning. It is readily adapted for home, hospital, and automobile usage. This invention has utility wherever rest room facilities are not conveniently available or where individuals are bedridden or immobilized.

Probable Assignee: BIRBARA PHILIP J

Earliest Publication Date: 19990420



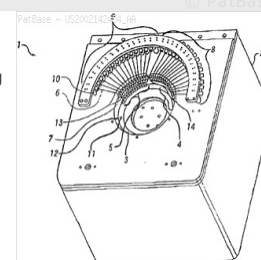
77) Family number: 23367197 (US2002142454A)

NUCLEIC ACID SYNTHESIZERS

Abstract: Source: US2002142454A The present invention relates to nucleic acid synthesizers and methods of using and modifying nucleic acid synthesizers. For example, the present invention provides highly efficient, reliable, and safe synthesizers that find use, for example, in high throughput and automated nucleic acid synthesis, as well as methods of modifying pre-existing synthesizers to improve efficiency, reliability, and safety.

Probable Assignee: GEN PROBE INC

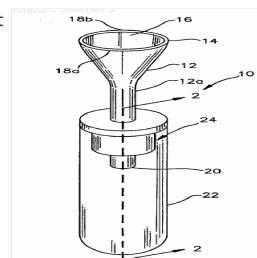
Earliest Publication Date: 20020606



Abstract: Source: US5511557A A device for collecting uncontaminated **urine** specimens from adult **females**, adult uncircumcised males and pediatric males. The device includes an elongated flexible tubular conduit member having a funnel-shaped opening at one end to be in **sealing** relationship with a urethra or glans penis and a discharge end to be received within a sample container. The sample container includes an opening with **sealing** means therein to receive the discharge end of the elongated flexible tubular conduit member in an open position to receive a **urine** specimen and in a closed position when the discharge end of the elongated flexible tubular conduit member is withdrawn.

Probable Assignee: CLEAN STREAM INC

Earliest Publication Date: 19960430



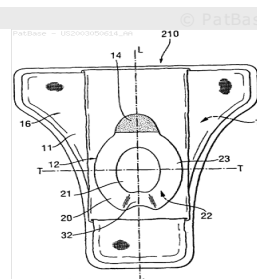
81) Family number: 28609073 (US2003050614A)

MULTIPLE COMPONENT INCONTINENCE CARE SYSTEM

Abstract: Source: US2003050614A The present invention relates to an incontinence care system and the use thereof which is suitable for the collection of **urine** and/or faeces and/or menses. Claimed and described is an incontinence care system comprising at least two components selected from the group of human waste collection bag, absorbent pad, partial diaper (350), orificed diaper (450) and orificed incontinence garment for adult or infant incontinence.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20010926



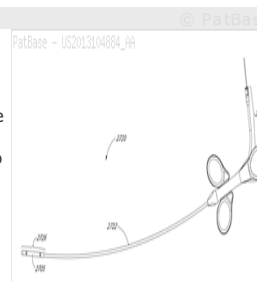
82) Family number: 53652191 (US2013104884A)

ENDOTRACHEAL TUBE COUPLING ADAPTERS

Abstract: Source: US2013104884A Endotracheal tube coupling adapters for facilitating collection and removal of biofilm or any debris from endotracheal tubes for disposal or laboratory testing are disclosed. The endotracheal tube coupling adapters may be adapted for use in closed suction systems. The endotracheal tube coupling adapters may be configured to remain coupled to an endotracheal tube from the time of intubation until the time of removal and to receive visualization, cleaning, and/or biofilm collection devices or members without being removed from the endotracheal tube.

Probable Assignee: ENDOCLEAR LLC

Earliest Publication Date: 20130502



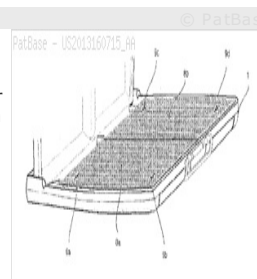
83) Family number: 50752345 (US2013160715A)

COMBINED DOMESTIC TOILETS FOR DOGS

Abstract: Source: US2013160715A A canine toilet for domestic use a **collector** for collecting **urine** and a deflector arranged essentially vertically to collect male dogs' **urine**. The **collector** comprises a tray intended to be placed on the ground, a cover closing the **collector**, and comprising at least one hopper, at least one extractable drawer inserted into one of the sides of the tray. The deflector is arranged on the **collector** to permit the flow of male dog **urine** into the hopper, which is arranged to route the **urine** into the drawer.

Probable Assignee: SANIDOME CANIN SARL

Earliest Publication Date: 20120302



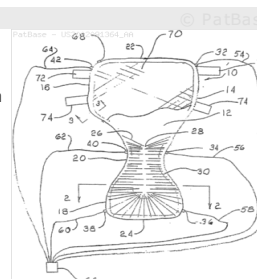
84) Family number: 28236582 (US2002091364A)

DIAPER FOR AN INCONTINENT PERSON

Abstract: Source: US2002091364A The suspended urinary external drainage system includes a liquid barrier with a periphery attached to a **collector**, with a tubular cross section, that encircles the barrier. A plurality of capillary tubes pass through a wall of the **collector**. Each of the plurality of capillary tubes has a capillary inlet adjacent to the liquid barrier and a capillary discharge inside the **collector**. A soft lining covers the capillary tubes. Discharge tubes connected to the **collector** carry **urine** to a holding bag.

Probable Assignee: PRABHAKAR INDIRA C

Earliest Publication Date: 20020711



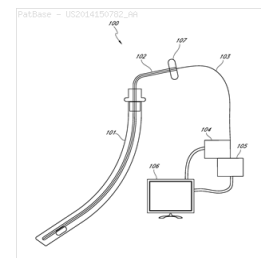
85) Family number: 56601283 (US2014150782A)

CLOSED SUCTION CLEANING DEVICES, SYSTEMS AND METHODS

Abstract: Source: US2014150782A A closed suction system module is provided. In one embodiment, the closed suction system module comprises a coupling member configured to couple to a suction port of a multi-port manifold or endotracheal tube adapter (e.g., dual-port or tri-port adapter). In one embodiment, the closed suction system module comprises a suction catheter configured to clean the interior surfaces of body-inserted tubes or artificial airways (alone or in addition to suctioning natural airways or portions of the respiratory tract or other body lumens). The suction catheter may comprise a cleaning portion at a distal portion of the suction catheter (e.g., near the distal end or tip of the suction catheter). In some embodiments, the cleaning portion comprises at least one expandable cleaning member (e.g., balloon, sleeve, wiper).

Probable Assignee: ENDOCLEAR LLC

Earliest Publication Date: 20140605



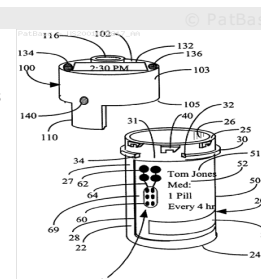
86) Family number: 28313446 (US2001017817A)

PRODUCT LABELING METHOD AND APPARATUS

Abstract: Source: US2001017817A A method and apparatus for configuring indicating configurations for containers wherein at least a subset of indicating configurations include an enhanced indicating device such as an electronic storage device, the containers to include enhanced devices being a function of whether or not the end user uses an interacting device capable of receiving information from the enhanced devices, the method and system indicating whether or not standard or enhanced containers should be used for specific prescriptions or orders and, in some cases, automatically providing the correct container and specifying (i.e., printing and writing) information to the containers.

Probable Assignee: SOUTHWEST TECHNOLOGY INNOVATIONS LLC

Earliest Publication Date: 19980620



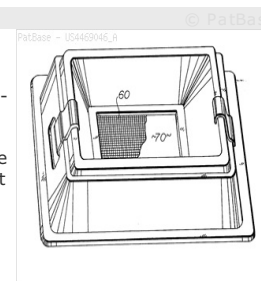
87) Family number: 30155923 (US4469046A)

ODORLESS ANIMAL LITTER UNIT

Abstract: Source: US4469046A The odor preventing animal litter unit employs the use of a pad consisting of a non-absorbent film, a very absorbent pad treated with a buffer and other antibacterial, bacteriocidal compounds and a protective ripproof screening, which can be used in a specifically designed container or in independent containers. The chemical additives and absorbent material prevent the **urine** odor and the non-absorbent film prevents leakage during disposal. The ripproof screen prevents animal accessibility to the inner pad materials. The complete pad unit is disposable.

Probable Assignee: CHURCH AND DWIGHT CO INC

Earliest Publication Date: 19840904



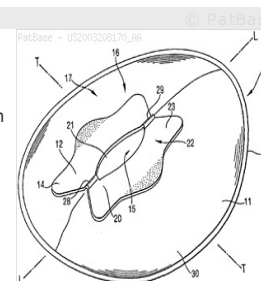
88) Family number: 29891350 (US2003208170A)

DIAPERING SYSTEM: DIAPER AND INTEGRAL COLLECTOR

Abstract: Source: US2003208170A The present invention relates to a diapering system (200) suitable for the collection of **urine** and faeces. Claimed and described is a diapering system comprising one human waste collection bag integral with one absorbent component (preferably a diaper like absorbent component) located outside of or adjacent to the collection bag.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20010926



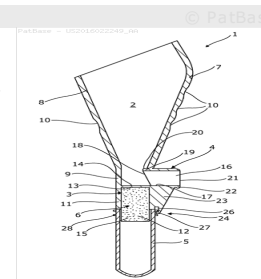
89) Family number: 53681976 (US2016022249A)

URINE COLLECTION DEVICE

Abstract: Source: US2016022249A A **urine** collection device 1 comprises a **collector** 2 to collect **urine** voided by a user, first and second outlets 3, 4 to allow **urine** to drain from the device, the first outlet 3 being adapted for connection to a receptacle 5 for a **urine** sample, and the second outlet 4 comprising an overflow outlet. A diverter device 6 is provided having first and second operative states, such that in a first state the diverter device 6 allows **urine** to flow through the first outlet 3 to the receptacle 5 for collection of a first stream sample, and in a second state the diverter device 6 prevents flow to the first outlet 3 and allows flow to the overflow outlet, the diverter device 6 being unable to return from the second state to the first state. The **collector** 2 is preferably a funnel 7 whose open lower end 11 forms one of the outlets, and also has the other outlet in the funnel wall.

Probable Assignee: FORTE MEDICAL LTD

Earliest Publication Date: 20140912



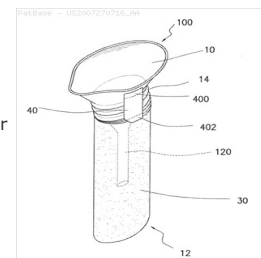
90) Family number: 40840796 (US2007270716A)

DISPOSABLE URINE COLLECTOR

Abstract: Source: US2007270716A A disposable **urine collector** which includes a slanted collecting cup with an upper opening, a **urine** reservoir connected to the collecting cup, and a saw-toothed flexible neck located between the collecting cup and the **urine** reservoir; wherein the collecting cup combined with the flexible neck which allows the **collector** to fit the **female's** genitals and assures stability when in use. In addition, a wrapping material can be wrapped around the rim of the collecting cup to provide a soft feel and to prevent the leakage of **urine**. The **urine** reservoir is filled with absorbent material. A cotton tube is extended from the top of the **urine** reservoir to the lower area of the **urine** reservoir. On one side of the collecting cup is installed is removable sticking tape. When the **collector** has been used, the collecting cup can be squeezed and folded to one side of the collecting cup, then one end of the sticking tape can be peeled off and stuck on the body of the **urine** reservoir for disposal.

Probable Assignee: WU CHEN HUNG

Earliest Publication Date: 20071122



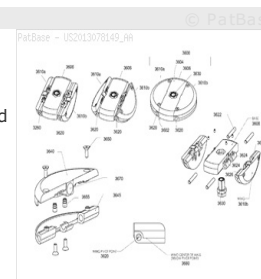
91) Family number: 66393440 (US2013078149A)

CENTRIFUGE CONFIGURATIONS

Abstract: Source: US2013078149A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20130328



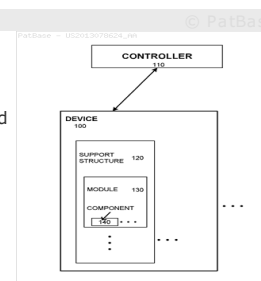
92) Family number: 66393441 (US2013078624A)

SYSTEMS AND METHODS FOR MULTI-PURPOSE ANALYSIS

Abstract: Source: US2013078624A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20130328



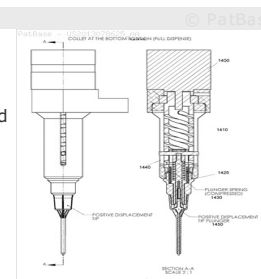
93) Family number: 66393442 (US2013078625A)

FLUID HANDLING APPARATUS AND CONFIGURATIONS

Abstract: Source: US2013078625A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20130328



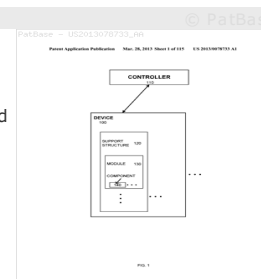
94) Family number: 66393443 (US2013078733A)

SYSTEMS AND METHODS FOR FLUID HANDLING

Abstract: Source: US2013078733A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20130328

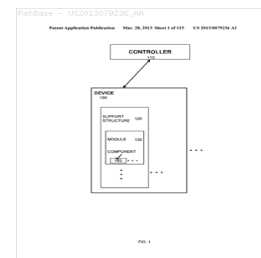


95) Family number: 66393444 (US2013079236A)

SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Source: US2013079236A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC



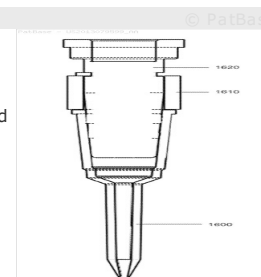
96) Family number: 66393445 (US2013079599A)

SYSTEMS AND METHODS FOR DIAGNOSIS OR TREATMENT

Abstract: Source: US2013079599A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20130328



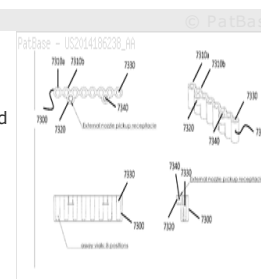
97) Family number: 66393454 (US2014186238A)

SYSTEMS AND METHODS FOR FLUID HANDLING

Abstract: Source: US2014186238A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20140703



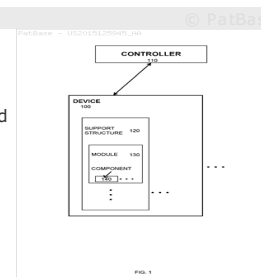
98) Family number: 66393461 (US2015125945A)

CENTRIFUGE CONFIGURATIONS

Abstract: Source: US2015125945A Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Probable Assignee: THERANOS INC

Earliest Publication Date: 20150507



99) Family number: 30736013 (US2004143229A)

VACUUM ASSISTED RELIEF SYSTEM (VARS)

Abstract: Source: US2004143229A VARS (Vacuum Assisted Relief System) is a aircrew bladder relief system that allows the pilot, whether male or **female**, to urinate in flight with comfort and convenience. There are three principle parts to the system, The pump, the garment, and the receiver. A pump and battery pack may be mounted in a breast pocket or attached to a torso harness at breast level. Locating the pump at a level higher than the garment insures little or no "leak back" to the garment. A garment worn like a diaper or underwear, includes an intake manifold comprised of a number of perforated tubes sandwiched between layers of material. **Urine** from a user is collected in the garment, drawn into the manifold tubes through these holes, by means of vacuum from the pump. Collected **urine** then passes through a hose into containment bag or receiver.

Probable Assignee: EASTER WILLIAM CRAIG

Earliest Publication Date: 20040722

