

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 19] (male or men) and absorb+ and urine and pad and disposable and /ic (A61F)

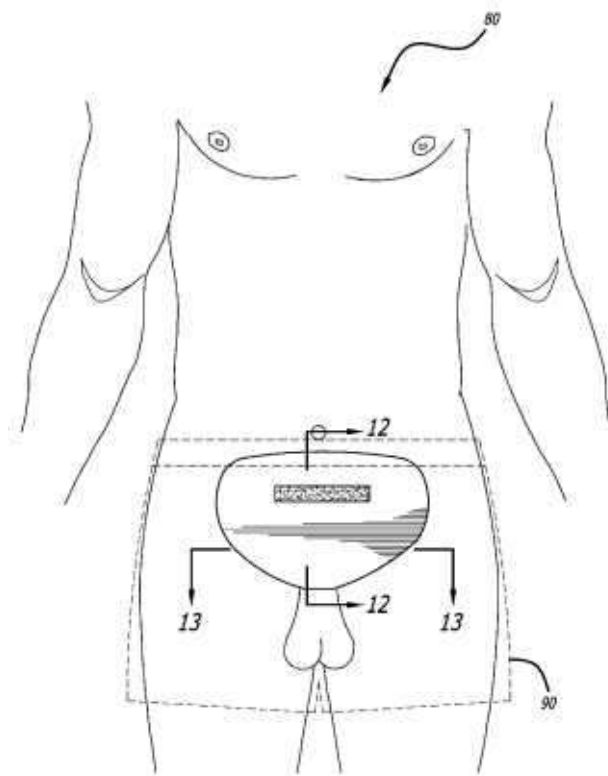
Results in EPODOC 28

[SS 20] ..li



1/28 © EPODOC / EPO

- PN - [US2020206045](#) A1 20200702
- PR - US202016806652
20200302; US201514673549
20150330; US201461998947P
20140714
- AP - [US202016806652](#) 20200302
- DT - **
- CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
- CCA - [A61F2013/15146](#) ; [A61F2013/583](#)
- CI - A61F13/471 (EP, RU, US)
A61F13/5616 (EP, US)
A61F13/58 (EP, US)
- CA - A61F2013/15146 (EP, US)
A61F2013/583 (EP, US)
- PA - EZ MALE PADS INC [US]
- TI - **URINE ABSORBENT PAD**
- AB - A **disposable urine** trap in the form of a foldable **pad** that envelops the **male** genitalia and closes around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is preferably rectangular in that the



distal angles are substantially right angles with parallel side edges and a perpendicular distal edge, and has a length that exceeds a length of a second wing, which is terminates so that the distal edge of the second wing is angled to form an obtuse and an acute angle with respect to its generally parallel sides.

2/28 © EPODOC / EPO

PN - [US2020085647](#) A1 20200319

PR - US201916690020
20191120; US201615087557
20160331; US201514673549
20150330; US201461998947P
20140714

AP - [US201916690020](#) 20191120

DT - **

CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)

CCA - [A61F2013/15146](#) ; [A61F2013/583](#)

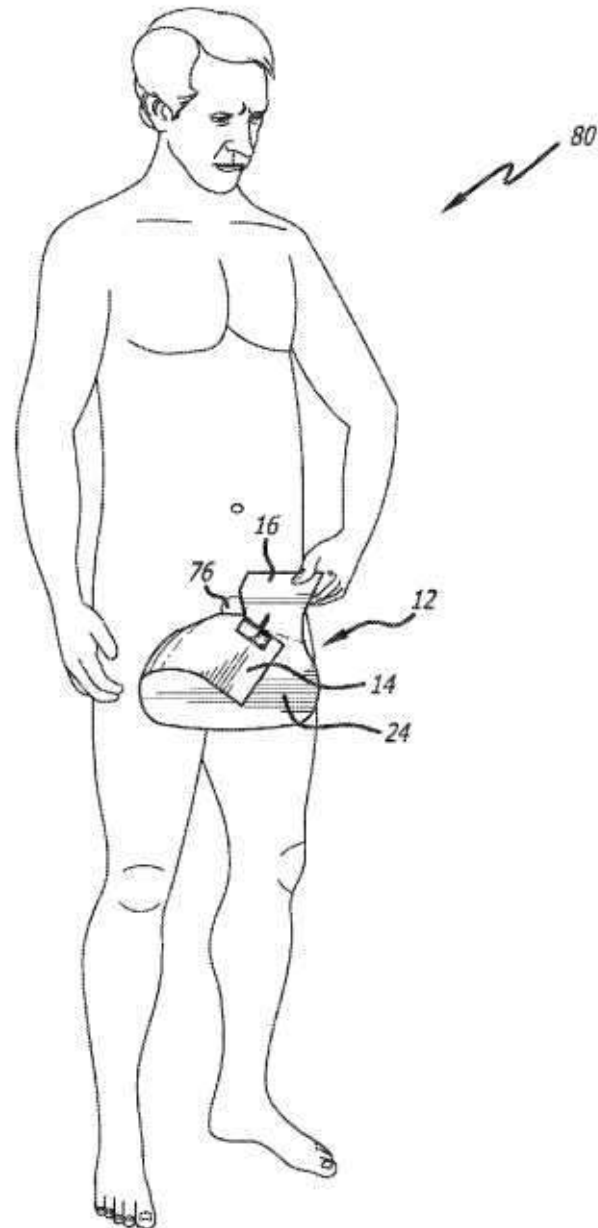
CI - A61F13/471 (EP)
- A61F13/5616 (EP)
- A61F13/58 (EP, US)

CA - A61F2013/15146 (EP, US)
- A61F2013/583 (EP)

PA - EZ MALE PADS INC [US]

TI - **URINE ABSORBENT PAD**

AB - A **disposable urine** trap in the form of a foldable **pad** that envelops the **male** genitalia and closes around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is preferably trapezoidal and a second wing having an extending distal edge.

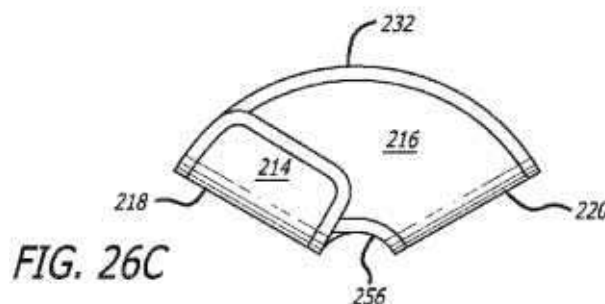


3/28 © EPODOC / EPO

- PN - [KR20190096670](#) A 20190820
- PR - KR20180016381 20180209
- AP - [KR20180016381](#) 20180209
- DT - I
- PA - SAEHAN CO LTD [KR]
- TI - Adult **male disposable** diapers that prevent **urine** from leaking out
- AB - The present invention relates to a nappy liner which prevents leaking of **urine** for **male**, which comprises: an outer coat; an **absorbing pad** which is placed on an upper surface of the outer coat and has a penis insertion hole formed on an upper part; an inner coat which is positioned on the upper surface of the **absorbing pad** and whose edge of a lower surface is bonded to an upper surface edge of the outer coat; and a **urine** preventing unit which is formed symmetrically on both ends of the upper surface of the inner coat, and in which a one side end unit, an upper end unit and a lower end unit are bonded to the edge unit of an upper surface edge unit of the inner coat, and which has a **urine** preventing wing provided on the other end, thereby smoothly exposing the **male** genital organ and preventing the **urine**.

4/28 © EPODOC / EPO

- PN - [PH12018502053](#) A1 20190701
- PR - US201615087557
20160331; WO2017US25121
20170330
- AP - [PH20181502053](#) 20180925
- DT - I
- CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
- CCA - [A61F2013/15146](#)
- CI - A61F13/4704 (KR)
A61F13/471 (EP, KR)
A61F13/5616 (EP, KR)
A61F13/58 (EP, KR)
- CA - A61F2013/15146 (EP, KR)
- PA - EZ MALE PADS INCORPORATED [US]
- TI - **URINE ABSORBENT PAD**
- AB - A **disposable urine** trap in the form of a foldable **pad** that envelops the **male** genitalia and closes around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is preferably trapezoidal and a second wing having an extending



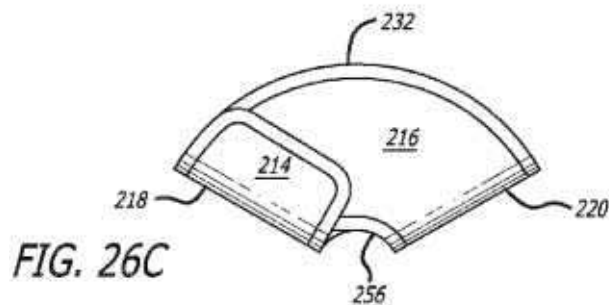
distal edge.

5/28 © EPODOC / EPO

- PN - [KR101961485B](#) B1 20190322
- PR - KR20170169740 20171211
- AP - [KR20170169740](#) 20171211
- DT - I
- CT - || STSE (B1)
[JP2007068641](#) A 20070322 [] (OJI NEPIA KK, et al);
[US2008145947](#) A1 20080619 [] (KIMBERLY CLARK CO);
KR200476089Y Y1 20150127 [];
JP6244037B B1 20171206 [];
[JP2001129012](#) A 20010515 [] (HAKUJUJI CO LTD);
[JP2001286500](#) A 20011016 [] (OJI PAPER CO);
[JP2007068640](#) A 20070322 [] (OJI NEPIA KK, et al);
[KR19980071805](#) A 19981026 [];
[US6091336](#) A 20000718 [] (ZAND FRANZ [US])
- CI - A61F13/42 (KR)
- A61F13/49058 (KR)
- A61F13/4915 (KR)
- CA - A61F2013/422 (KR)
- A61F2013/429 (KR)
- A61F2013/49063 (KR)
- PA - SAEHAN CO LTD [KR]
- TI - **Disposable pocket diaper for adult male**
- AB - The present invention relates to a pocket diaper for adult **male**, comprising a diaper main body having a diaper **pad**, an adhesive line formed along the back edge of the diaper **pad**, and a '+'-shaped cutting line formed at the upper center of the diaper **pad**; an attachment **pad** provided at the bottom front of the diaper **pad**; a **urine absorbing** member incorporated in the diaper **pad**; and an appearance maintaining means provided on the front surface of the diaper **pad**. The pocket diaper for adult **male** thus can prevent overflow of **urine**, and allow a user to additionally wear a linear type diaper or pant style diaper on the outside.

6/28 © EPODOC / EPO

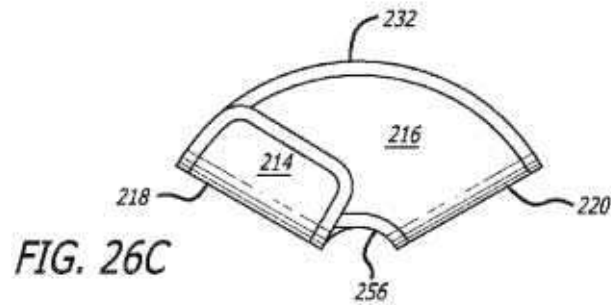
- PN - [CN109195563](#) A 20190111
- PR - US201615087557
20160331; WO2017US25121
20170330
- AP - [CN20178033930](#) 20170330
- DT - I
- CT - || STSE (A)
[US4216773](#) A 19800812 [A] (RYAN A
SENSOR [US])
[A] 1-8
* 全文 *;
JPH0938127 A 19970210 [A] (UNI
CHARM CORP)



[A] 1-8
 * 全文 *;
[CN1194135](#) A 19980930 [A] (UNI
 CHARM CORP [JP])
 [A] 1-8
 * 全文 *;
[US6129719](#) A 20001010 [A] (NOZAKI
 SATOSHI [JP], et al)
 [A] 1-8
 * 全文 *;
[US6443934](#) B1 20020903 [A]
 (GLAUG FRANK S [US], et al)
 [A] 1-8
 * 全文 *;
[US2016008188](#) A1 20160114 [X]
 (LUMAQUE-STEEMAN LORNA
 MATEO [US])
 [X] 1-8
 * 说明书第[0028]-[0037]段, 附图1-
 23 *

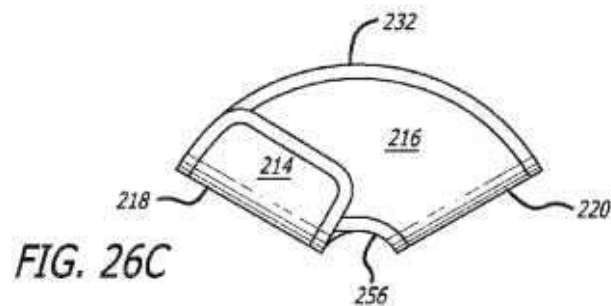
- CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
- CCA - [A61F2013/15146](#)
- CI - A61F13/4704 (KR)
 - A61F13/471 (EP, KR)
 - A61F13/5616 (EP, KR)
 - A61F13/58 (EP, KR)
- CA - A61F2013/15146 (EP, KR)
- PA - EZ MALE INCORPORATED
- TI - **URINE ABSORBENT PAD**
- AB - A **disposable urine** trap in the form
 of a foldable **pad** that envelops
 the **male** genitalia and closes
 around the organ to form a
 barrier that prevents **urine** from
 escaping the trap. The **pad**
 includes an asymmetric pair of
 wings that are separated by a
 gap and attached to the main
 body of the **pad**. The first wing is
 preferably trapezoidal and a
 second wing having an extending
 distal edge.

PN - [AU2017244200](#) A1 20181101
PR - US201615087557
20160331; WO2017US25121
20170330
AP - [AU20170244200](#) 20170330
DT - I
CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
CCA - [A61F2013/15146](#)
CI - A61F13/4704 (KR)
- A61F13/471 (EP, KR)
- A61F13/5616 (EP, KR)
- A61F13/58 (EP, KR)
CA - A61F2013/15146 (EP, KR)
PA - EZ MALE PADS INCORPORATED
TI - **Urine absorbent pad**
AB - A **disposable urine** trap in the form
of a foldable **pad** that envelops
the **male** genitalia and closes
around the organ to form a
barrier that prevents **urine** from
escaping the trap. The **pad**
includes an asymmetric pair of
wings that are separated by a
gap and attached to the main
body of the **pad**. The first wing is
preferably trapezoidal and a
second wing having an extending
distal edge.



8/28 © EPODOC / EPO

PN - [CA3019363](#) A1 20171005
PR - US201615087557
20160331; WO2017US25121
20170330
AP - [CA20173019363](#) 20170330
DT - I
CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
CCA - [A61F2013/15146](#)
CI - A61F13/4704 (KR)
- A61F13/471 (EP, KR)
- A61F13/5616 (EP, KR)
- A61F13/58 (EP, KR)
CA - A61F2013/15146 (EP, KR)
PA - EZ MALE PADS INCORPORATED [US]



TI - **URINE ABSORBENT PAD**

AB - A **disposable urine** trap in the form of a foldable **pad** that envelops the **male** genitalia and closes around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is preferably trapezoidal and a second wing having an extending distal edge.

9/28 © EPODOC / EPO

PN - [JP2017192562](#) A 20171026

PR - JP20160084660 20160420

AP - [JP20160084660](#) 20160420

DT - I

FI - A61F13/47&100; A61F13/471; A61F13/474; A61F13/475

FT - 3B200/AA01; 3B200/AA14; 3B200/BA01; 3B200/CA02; 3B200/CA12; 3B200/DA08; 3B200/DA10

PA - MINIPACK CO LTD; NISHIURA:KK

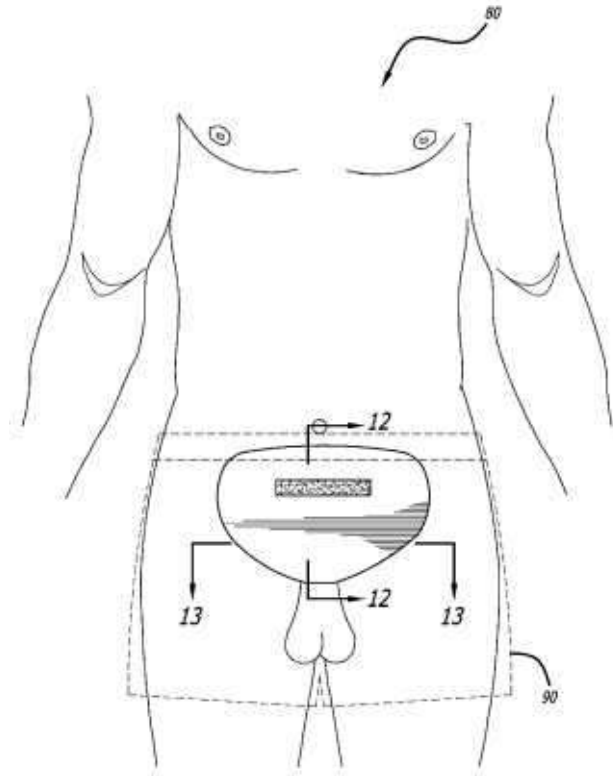
TI - **URINE ABSORBING SHEET FOR MEN**

AB - PROBLEM TO BE SOLVED: To provide a **urine absorbing** sheet for **men** having a significant absorption performance, allowing a caretaker to easily install it on a penis, having high adhesion to the penis, **absorbing urine** of a man without exchanging a **disposable** paper diaper or a **urine absorbing pad**, and causing no **urine** leakage.SOLUTION: A **urine absorbing** sheet 1 for **men** includes a pocket part P formed by folding back one end 10a of a sheet body 10 at a prescribed length in the longitudinal direction, the sheet body formed by including an **absorber** 11 in a liquid permeable sheet 12, and fixing both ends 21a and 21b of an opening end of a fold-back part 20 to one surface of the liquid permeable sheet 12.SELECTED DRAWING: Figure 1

10/28 © EPODOC / EPO

PN - [MX2017000650](#) A 20170504
 PNFP - MX365855 B 20190617
 PR - US201461998947P
 20140714; WO2015US30657
 20150513
 AP - [MX2017000650](#) 20150513
 DT - I
 CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
 CCA - [A61F2013/15146](#) ; [A61F2013/583](#)
 CI - [A61F13/471](#) (EP, RU, US)
[A61F13/5616](#) (EP, US)
[A61F13/58](#) (EP, US)
 CA - [A61F2013/15146](#) (EP, US)
[A61F2013/583](#) (EP, US)
 PA - (A B)
 EZ MALE PADS INCORPORATED [US]
 TI - (A B)
URINE ABSORBENT PAD.
 AB - (A B)

A **disposable urine** trap in the form of a foldable **pad** that envelops the **male** genitalia and closes around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is preferably rectangular in that the distal angles are substantially right angles with parallel side edges and a perpendicular distal edge, and has a length that exceeds a length of a second wing, which is terminates so that the distal edge of the second wing is angled to form an obtuse and an acute angle with respect to its generally parallel sides.



PN - [PH12017500080](#) A1 20170522

PR - US201461998947P
20140714; WO2015US30657
20150513

AP - [PH20171500080](#) 20170112

DT - I

CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)

CCA - [A61F2013/15146](#) ; [A61F2013/583](#)

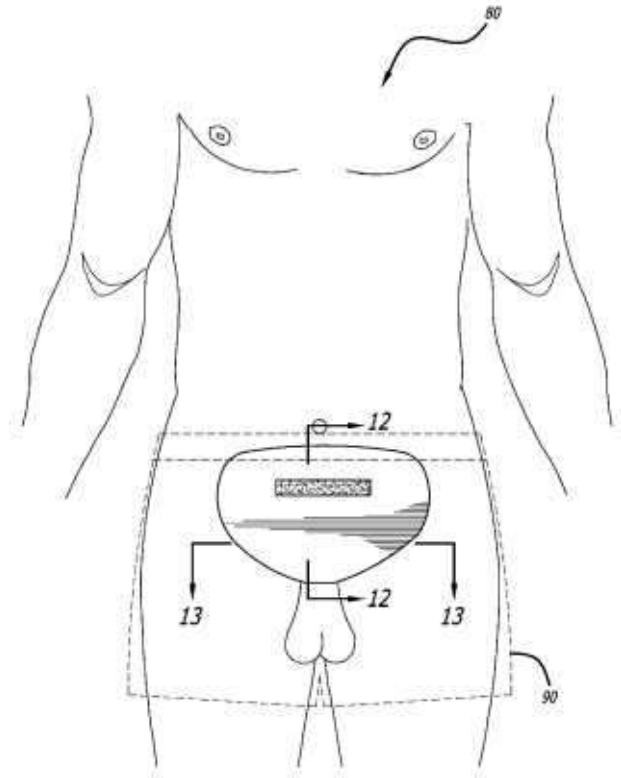
CI - A61F13/471 (EP, RU, US)
A61F13/5616 (EP, US)
A61F13/58 (EP, US)

CA - A61F2013/15146 (EP, US)
A61F2013/583 (EP, US)

PA - EZ MALE PADS INCORPORATED [US]

TI - **URINE ABSORBENT PAD**

AB - A **disposable urine** trap in the form of a foldable **pad** that envelops the **male** genitalia and closes around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is preferably rectangular in that the distal angles are substantially right angles with parallel side edges and a perpendicular distal edge, and has a length that exceeds a length of a second wing, which is terminates so that the distal edge of the second wing is angled to form an obtuse and an acute angle with respect to its generally parallel sides.



PN - [CN106714751](#) A 20170524

PNFP - CN106714751B B 20191022

PR - US201461998947P
20140714; WO2015US30657
20150513

AP - [CN20158048832](#) 20150513

DT - I

CT - // STSE (A)
[US4216773](#) A 19800812 [A] (RYAN A
SENSOR [US])
[A] 1-5
* 全文 *;
[CN1197632](#) A 19981104 [A] (UNI
CHARM CORP [JP])
[A] 1-5
* 全文 *;
[US6209142](#) B1 20010403 [A]
(MATTSSON LARS [SE])
[A] 1-5
* 全文 *

CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)

CCA - [A61F2013/15146](#) ; [A61F2013/583](#)

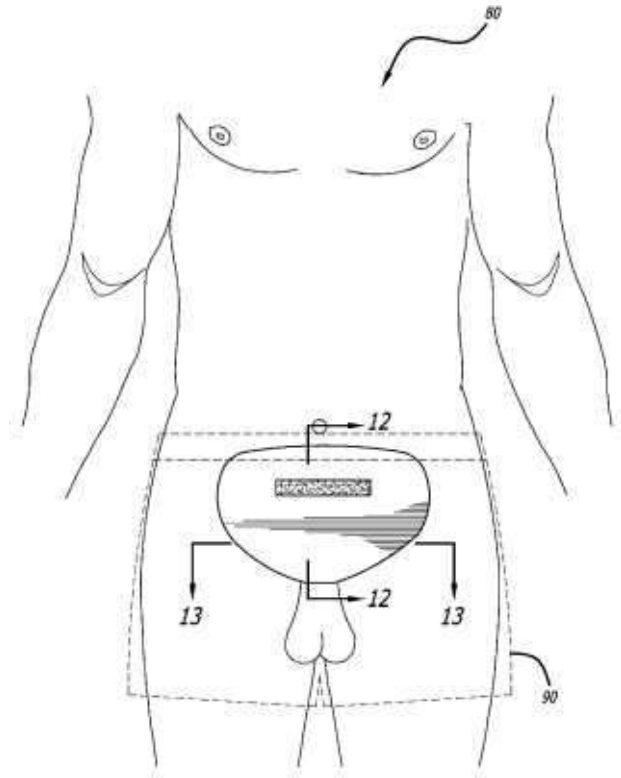
CI - A61F13/471 (EP, RU, US)
- A61F13/5616 (EP, US)
- A61F13/58 (EP, US)

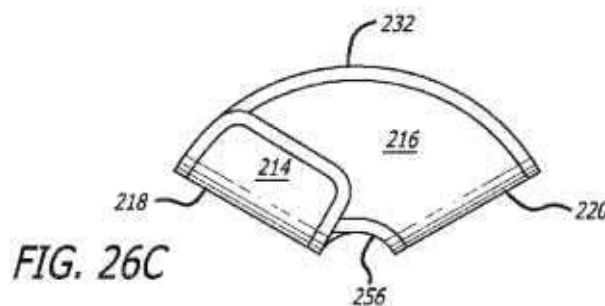
CA - A61F2013/15146 (EP, US)
- A61F2013/583 (EP, US)

PA - (A)
EZ MALE PADS INC

TI - (A)
Urine absorbent pad

AB - (A)
A **disposable urine** trap in the form
of a foldable **pad** that envelops
the **male** genitalia and closes
around the organ to form a
barrier that prevents **urine** from
escaping the trap. The **pad**
includes an asymmetric pair of
wings that are separated by a
gap and attached to the main
body of the **pad**. The first wing is
preferably rectangular in that the
distal angles are substantially
right angles with parallel side
edges and a perpendicular distal
edge, and has a length that
exceeds a length of a second

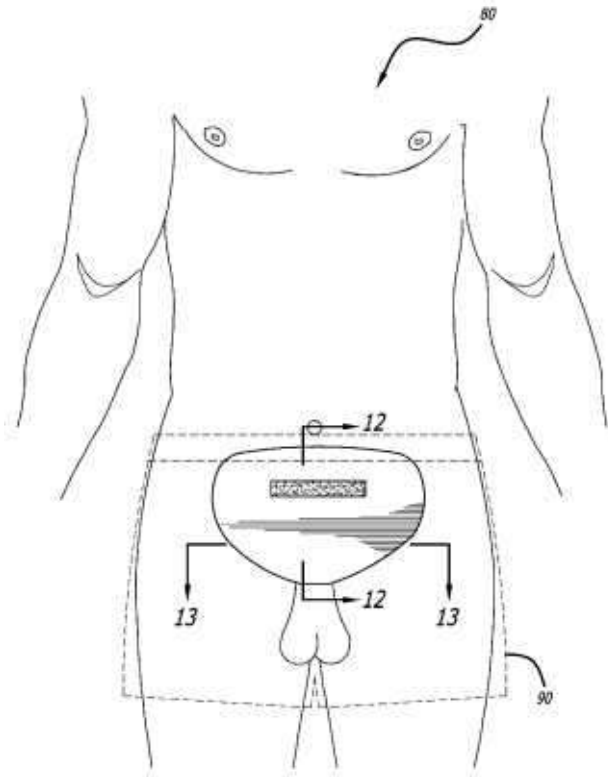




distal edge.

14/28 © EPODOC / EPO

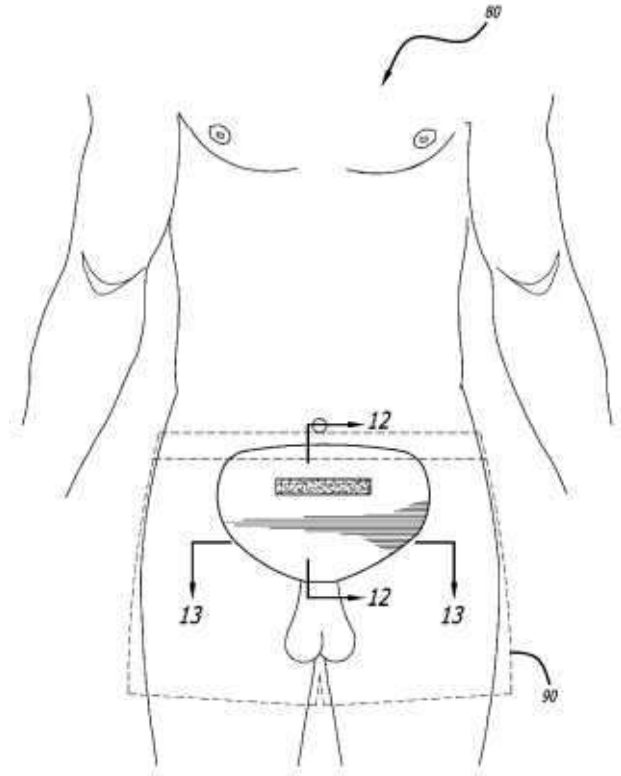
- PN - [AU2015290215](#) A1 20170202
- PNFP - AU2015290215B B2 20190620
- PR - US201461998947P
20140714; WO2015US30657
20150513
- AP - [AU20150290215](#) 20150513
- DT - I
- CT - || STSE (B2)
[US6129719](#) A 20001010 [] (NOZAKI
SATOSHI [JP], et al);
[US4216773](#) A 19800812 [] (RYAN A
SENSOR [US]);
[US6443934](#) B1 20020903 [] (GLAUG
FRANK S [US], et al)
- CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
- CCA - [A61F2013/15146](#) ; [A61F2013/583](#)
- CI - A61F13/471 (EP, RU, US)
A61F13/5616 (EP, US)
A61F13/58 (EP, US)
- CA - A61F2013/15146 (EP, US)
A61F2013/583 (EP, US)
- PA - (A1)
EZ MALE PADS INCORPORATED
(B2)
EZ MALE PADS INCORPORATED [US]
- TI - (A1 B2)
Urine absorbent pad
- AB - (A1 B2)
A **disposable urine** trap in the form
of a foldable **pad** that envelops
the **male** genitalia and closes
around the organ to form a
barrier that prevents **urine** from
escaping the trap. The **pad**
includes an asymmetric pair of
wings that are separated by a
gap and attached to the main
body of the **pad**. The first wing is
preferably rectangular in that the
distal angles are substantially
right angles with parallel side
edges and a perpendicular distal
edge, and has a length that
exceeds a length of a second



wing, which is terminates so that the distal edge of the second wing is angled to form an obtuse and an acute angle with respect to its generally parallel sides.

15/28 © EPODOC / EPO

- PN - [CA2954756](#) A1 20160121
- PR - US201461998947P
20140714; WO2015US30657
20150513
- AP - [CA20152954756](#) 20150513
- DT - I
- CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
- CCA - [A61F2013/15146](#) ; [A61F2013/583](#)
- CI - A61F13/471 (EP, RU, US)
A61F13/5616 (EP, US)
A61F13/58 (EP, US)
- CA - A61F2013/15146 (EP, US)
A61F2013/583 (EP, US)
- PA - EZ MALE PADS INCORPORATED [US]
- TI - **URINE ABSORBENT PAD**
- AB - A **disposable urine** trap in the form of a foldable **pad** that envelops the **male** genitalia and closes around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is preferably rectangular in that the distal angles are substantially right angles with parallel side edges and a perpendicular distal edge, and has a length that exceeds a length of a second wing, which is terminates so that the distal edge of the second wing is angled to form an obtuse and an acute angle with respect to its generally parallel sides.



16/28 © EPODOC / EPO

PN - [US2016278991](#) A1 20160929

PR - US201615087557
20160331; US201514673549
20150330; US201461998947P
20140714

AP - [US201615087557](#) 20160331

DT - *, Rep

CT - || STSE (A1)
[US6129719](#) A 20001010 [X] (NOZAKI
SATOSHI [JP], et al)
[X] 18-25
* claim 10 | abs | column 1 lines 6-
7, 41-44 | column 1 lines 54-60 |
column 2 lines 49-55 Figures 1, 4B |
column 1 lines 54-67 column 2 lines
1-8 | column 3 lines 52-54 | Figures
1, 4A | column 1 lines 54-67 Figures
4A | Figures 1, 4B | column 3 lines
11-15 Figure 4B | column 3 lines 11-
32 | Figure 4B | Figure 1 | claim 1
Figures 4B | column 1 lines 54-64 |
claim 19 | column 2 lines 55-61 |
claim 20 | claim 21 | claim 22 |
Figure 1: 16 column 3 lines 20-25 |
Figure 3 column 3 lines 58-62 |
column 3 lines 58-62 | F.2d | claim
24 | *;
[US2016008188](#) A1 20160114 [A]
(LUMAQUE-STEEMAN LORNA
MATEO [US])
- || R141 (A1)
[US6129719](#) A 20001010 [] (NOZAKI
SATOSHI [JP], et al);
[US2016008188](#) A1 20160114 []
(LUMAQUE-STEEMAN LORNA
MATEO [US])

CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)

CCA - [A61F2013/15146](#) ; [A61F2013/583](#)

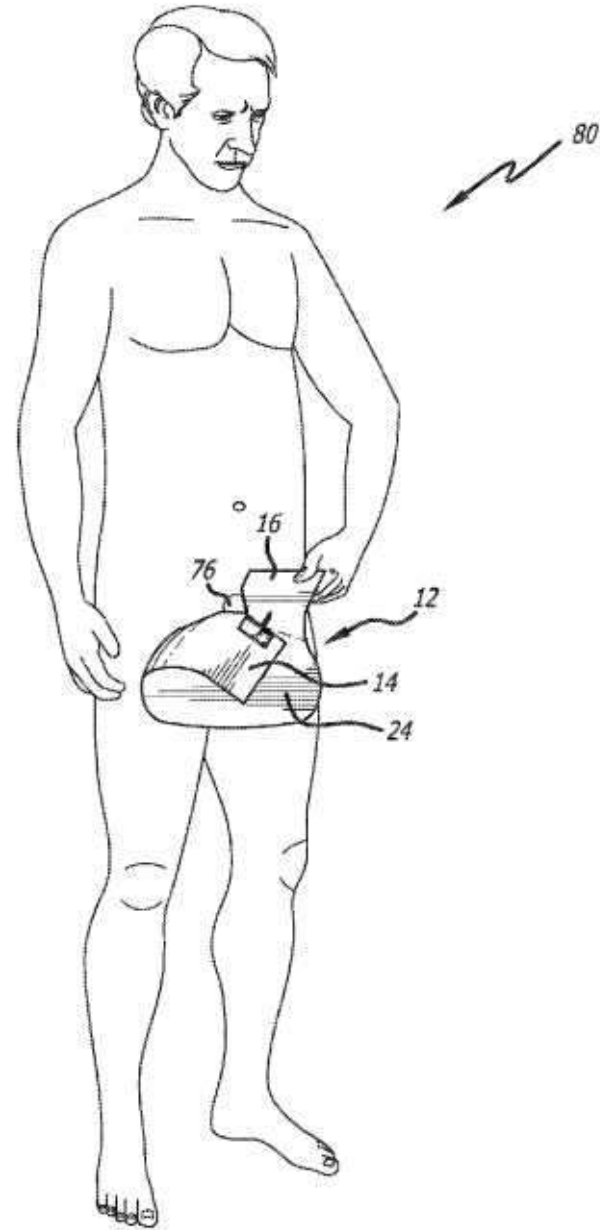
CI - A61F13/471 (EP)
- A61F13/5616 (EP)
- A61F13/58 (EP, US)

CA - A61F2013/15146 (EP, US)
- A61F2013/583 (EP)

PA - EZ MALE PADS INC [US]

TI - URINE ABSORBENT PAD

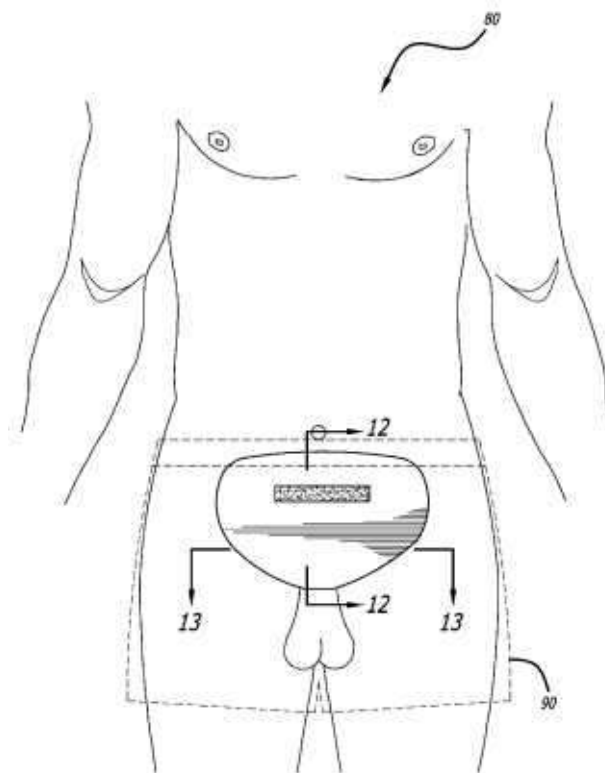
AB - A disposable urine trap in the form
of a foldable pad that envelops
the male genitalia and closes



around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is preferably trapezoidal and a second wing having an extending distal edge.

17/28 © EPODOC / EPO

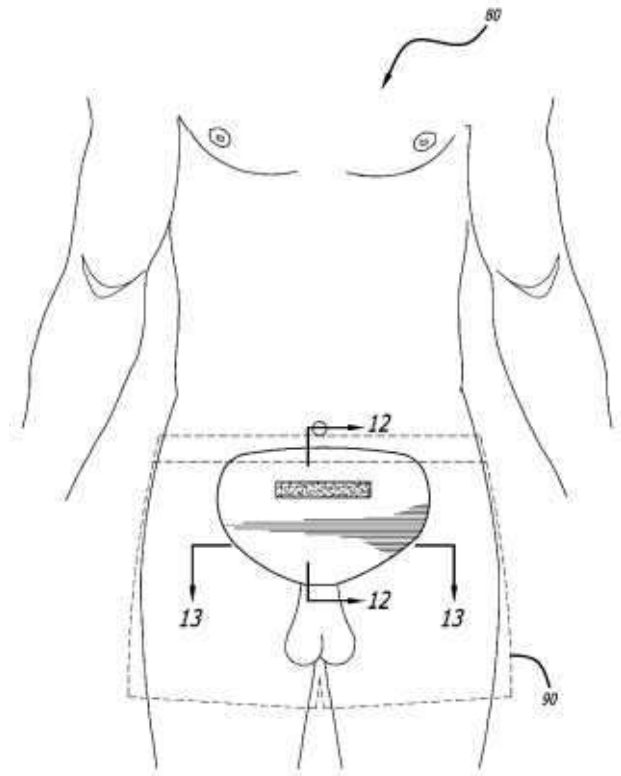
- PN - [WO2016010617](#) A1 20160121
- PR - US201461998947P 20140714
- AP - [WO2015US30657](#) 20150513
- DT - **
- CT - *[US] ISR (A1)*
[US6129719](#) A 20001010 [Y] (NOZAKI SATOSHI [JP], et al)
 [Y] 1-5
** entire document **;
[US4216773](#) A 19800812 [Y] (RYAN A SENSOR [US])
 [Y] 1-5
** entire document **;
[US6443934](#) B1 20020903 [Y] (GLAUG FRANK S [US], et al)
 [Y] 2, 5
** entire document **
- CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
- CCA - [A61F2013/15146](#) ; [A61F2013/583](#)
- CI - [A61F13/471](#) (EP, RU, US)
[A61F13/5616](#) (EP, US)
[A61F13/58](#) (EP, US)
- CA - [A61F2013/15146](#) (EP, US)
[A61F2013/583](#) (EP, US)
- PA - EZ MALE PADS INC [US]
- TI - **URINE ABSORBENT PAD**
- AB - A **disposable urine** trap in the form of a foldable **pad** that envelops the **male** genitalia and closes around the organ to form a barrier that prevents **urine** from escaping the trap. The **pad** includes an asymmetric pair of wings that are separated by a gap and attached to the main body of the **pad**. The first wing is



preferably rectangular in that the distal angles are substantially right angles with parallel side edges and a perpendicular distal edge, and has a length that exceeds a length of a second wing, which is terminates so that the distal edge of the second wing is angled to form an obtuse and an acute angle with respect to its generally parallel sides.

18/28 © EPODOC / EPO

- PN - [US2016008188](#) A1 20160114
- PNFP - US10588793 B2 20200317
- PR - US201514673549
20150330; US201461998947P
20140714
- AP - [US201514673549](#) 20150330
- DT - *; Rep
- CT - || R141 (A1)
[US7066920](#) B1 20060627 [] (MULA ANTHONY [US]);
[US6129719](#) A 20001010 [] (NOZAKI SATOSHI [JP], et al);
[US5891122](#) A 19990406 [] (COATES FREDRICA [US])
- || STSE (A1)
[US6129719](#) A 20001010 [X] (NOZAKI SATOSHI [JP], et al)
[X] 17
* claim 17 | abs | column 1 lines 6-7, 41-44 | column 2 lines 49-55 | column 1 lines 54-60 | Figures 1, 4B | column 3 lines 50-62 | column 3 lines 52-54 | Figure 1 | Figure 4B | column 3 lines 57-62 | column 3 lines 20-32 | *;
[US5891122](#) A 19990406 [A] (COATES FREDRICA [US]);
[US7066920](#) B1 20060627 [A] (MULA ANTHONY [US])
- || STSE (B2)
[US5891122](#) A 19990406 [] (COATES FREDRICA [US]);
[US6129719](#) A 20001010 [] (NOZAKI SATOSHI [JP], et al);
[US6443934](#) B1 20020903 [] (GLAUG FRANK S [US], et al);
[US7066920](#) B1 20060627 [] (MULA



ANTHONY [US]);
[US2003158534](#) A1 20030821 [] (NIKI
YOSHIFUMI [JP], et al)

- CCI - [A61F13/471](#) ; [A61F13/5616](#) ;
[A61F13/58](#)
- CCA - [A61F2013/15146](#) ; [A61F2013/583](#)
- CI - A61F13/471 (EP, RU, US)
- A61F13/5616 (EP, US)
- A61F13/58 (EP, US)
- CA - A61F2013/15146 (EP, US)
- A61F2013/583 (EP, US)
- PA - (A1)
EZ MALE PADS INC [US]
- (B2)
EZ MALE PADS INC [US]; EZ MALE
PADS INCORPORATED [US]
- TI - (A1)
URINE ABSORBENT PAD
- (B2)
Urine absorbent pad
- AB - (A1 B2)
A **disposable urine** trap in the form
of a foldable **pad** that envelops
the **male** genitalia and closes
around the organ to form a
barrier that prevents **urine** from
escaping the trap. The **pad**
includes an asymmetric pair of
wings that are separated by a
gap and attached to the main
body of the **pad**. The first wing is
preferably rectangular in that the
distal angles are substantially
right angles with parallel side
edges and a perpendicular distal
edge, and has a length that
exceeds a length of a second
wing, which is terminates so that
the distal edge of the second
wing is angled to form an obtuse
and an acute angle with respect
to its generally parallel sides.

19/28 © EPODOC / EPO

- PN - [JP2012040054](#) A 20120301
- PNFP - JP4714298B B1 20110629
- PR - JP20100181271 20100813
- AP - [JP20100181271](#) 20100813

DT - I

FI - A41B13/02&H; A41B13/02&R; A61F13/471; A61F13/53&300; A61F13/56&100; A61F13/56&110

FT - 3B200/AA01; 3B200/AA14; 3B200/BA01; 3B200/BA16; 3B200/BB05; 3B200/BB17; 3B200/CA12; 3B200/DA06; 3B200/DA08; 3B200/DA10; 3B200/DB08; 3B200/DB21; 3B200/DB22; 3B200/DE03; 3B200/DE05; 3B200/DE15; 3B200/DE16

PA - (A)
SUZUKI TAEKO

TI - (A)
DISPOSABLE URINE ABSORBING PAD FOR MALE

AB - (A)
PROBLEM TO BE SOLVED: To provide an inexpensive **disposable urine absorbing pad** for a **male**, hardly making a crotch get musty, keeping a large amount of **urine**, causing little leakage and being used when a user goes out. SOLUTION: A substrate in which a planar **absorbing** body and a liquid-permeable top sheet 4 are laminated on a liquid non-permeable back sheet 2 is two-folded, a **pad** fixing bar 5 is attached inside an opening portion 13 of a bag-like body 12 formed by joining both the sides of the substrate, and a block-like **absorbing** body 6 is housed in the bag-like body 12. An adhesive layer 7 is formed on the rear surface of an extension portion 14 of the back sheet 2. A user inserts his penis into the bag-like body 12 of the **pad** 1, the **pad** fixing bar 5 is sandwiched between the root of the penis and a scrotum and bonded and fixed to the inside of a pant by using the adhesive layer 7 of the extension portion. The **pad** is attached to an ordinary pant without using a **urine** leakage pant nor a T-band, can be used for going out because of its small profile and no possibility of coming-off even when the user walks.

20/28 © EPODOC / EPO

PN - [WO2009054944](#) A1 20090430

PR - US20070977024 20071023

AP - [WO2008US11978](#) 20081021

DT - **

CT - [US] ISR (A1)
[US7141043](#) B2 00000000 [Y]
(HARVIE);
[US4368733](#) A 00000000 [Y]
(SANIDAS);
[US1493222](#) A 00000000 [Y] (O'NEILL)

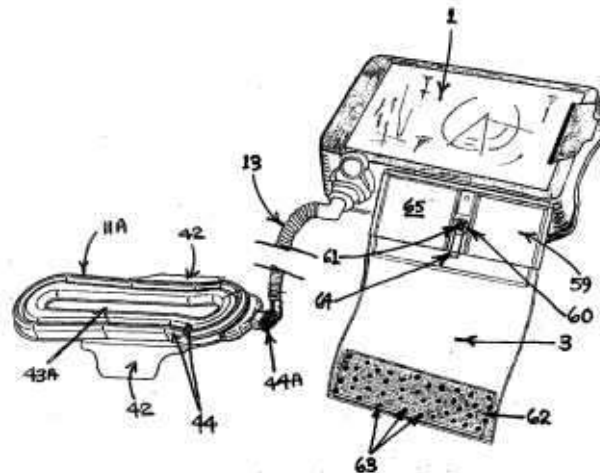
CCI - [A61F5/451](#)

CI - A61F5/451 (EP)

PA - HARVIE MARK R [US]

TI - AUTOMATIC SELF CLEANING
BLADDER RELIEF WITH DIAPER PAD
SYSTEM

AB - This invention is an automatic/semi-automatic bladder relief and fecal waste management system for use in the absence of sanitary facilities. The fecal collection



bag is collapsed when not in use and is automatically expanded by the weight of feces upon defecation and is sealed after use. It incorporates an inflatable **urine** collection means that may be deflated after use. The power unit is powered by a battery that is integrated into a **urine** storage bag or female **pad** or **male** cup. It utilizes a **disposable urine** storage bag with an isolated cleaning fluid chamber with a directional valve and pump system automatically rinsing and sanitizing the pump, hoses, collection means and the user with a cleaning fluid stored in the cleaning fluid chamber of the **urine** storage bag. The **disposable urine** storage bag contains **absorbent** polymer crystals **absorbing** the **urine** as it is deposited in the bag during use.

21/28 © EPODOC / EPO

PN - [JP2009011780](#) A 20090122

PNFP - JP4940487B B2 20120530

PR - JP20070201305 20070703

AP - [JP20070201305](#) 20070703

DT - I

CT - *// STSE (A)*
[JP2006218144](#) A 00000000 [];
 JPS6244007 A 00000000 [];
[JP2007217852](#) A 00000000 []

FI - A41B13/02&R; A41B13/08&D; A41B13/08&G; A61F13/471; A61F13/64

FT - 3B200/AA01; 3B200/AA14; 3B200/BA05; 3B200/BA08; 3B200/BB04; 3B200/BB05; 3B200/BB06; 3B200/BB09; 3B200/CA12; 3B200/CA17; 3B200/CB01; 3B200/CB09; 3B200/CB15; 3B200/DA08; 3B200/DB26; 3B200/DD01; 3B200/DD02; 3B200/DD07

PA - (A)
 SANO SHIZUE; SANO HIROKO

TI - (A)
MALE INCONTINENCE PREVENTION DEVICE

AB - (A)
 PROBLEM TO BE SOLVED: To certainly hold a **urine absorbing pad** to penis of the **male** genital organ regardless of the use of **disposable** diaper.
 - (A)
 SOLUTION: The device is formed in mat shape by joining a cover piece 1 covering from the penis to the scrotum of **male** genital organs and a contact piece 2 covering only the

penis. A wide bag 3 is arranged between the cover piece 1 and the contact piece 2 in order to insert the penis of the **male** genital organ. The cover piece 1 surrounding the bag 3 and the inner surface of the contact piece 2 have waterproofness for inhibition of **urine** absorption. The outer surface 21 of the contact piece 2 has good skin contact feeling to the lower abdomen.

- (A)

COPYRIGHT: (C)2009,JPO&INPIT

22/28 © EPODOC / EPO

PN - [WO2007149389](#) A2 20071227

PNFP - WO2007149389 A3 20081231

PR - US20060472162 20060621

AP - [WO2007US14188](#) 20070618

DT - **

CT - [US] ISR (A3)

[US2005154360](#) A1 00000000 [X];

[US2005069913](#) A1 00000000 [Y];

[US2002142477](#) A1 00000000 [A]

CCI - [A61F5/451](#)

CI - A61F5/451 (EP)

PA - (A2 A3)

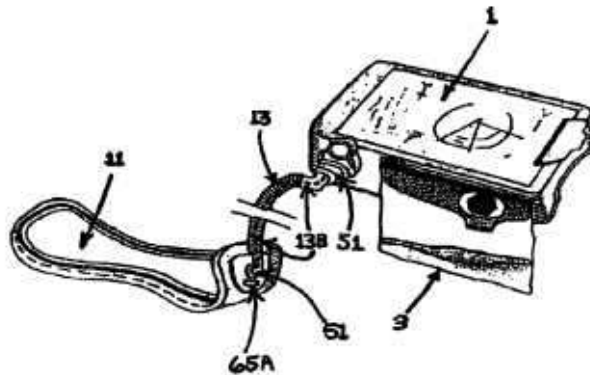
HARVIE MARK R [US]

TI - (A2 A3)

AUTOMATIC SELF CLEANING
BLADDER RELIEF WITH
BATTERY **PAD** SYSTEM

AB - (A2)

This invention is an automatic or semi-automatic bladder relief system which increases sanitation and comfort for users requiring a means to dispose of **urine** in the absence of sanitary facilities, such as aircraft pilots and incontinent individuals. This invention incorporates an inflatable **urine** collection means that may be deflated after use. The power unit incorporates a battery that is integrated into a **disposable urine** storage bag or into a **disposable** female **pad** or **male** cup. This invention utilizes a **disposable urine** storage bag with an isolated cleaning fluid chamber with a directional valve and pump system automatically rinsing and sanitizing the pump,



hoses, collection means and the user with a cleaning fluid stored in the cleaning fluid chamber of the **disposable urine** storage bag. The **disposable urine** storage bag contains **absorbent** polymer crystals **absorbing** the **urine** as it is deposited in the bag during use.

- (A3)

The present invention provides an apparatus that has been designed to automatically or semi-automatically collect urine in an environmentally challenging setting in a sanitary, safe and comfortable manner which are improvements which are patently distinct over similar devices and methods which may already be patented or commercially available. As such, the general purpose of the present invention, which will be described subsequently in greater detail, is to provide a field designed apparatus and method of use that incorporates the present invention. There are many additional novel features directed to solving problems not addressed in the prior art.

23/28 © EPODOC / EPO

PN - [US2006241553](#) A1 20061026

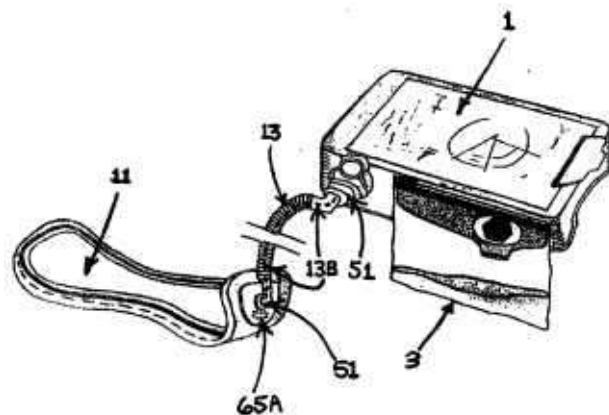
PNFP - US7335189 B2 20080226

PR - US20060472162
20060621; US20030418852
20030418; US20040885355
20040706; US20020359672P
20020226; US20030369240 20030219

AP - [US20060472162](#) 20060621

DT - *; Rep

CT - || R141 (A1)
[US5279512](#) A 00000000 [];
[US2006015080](#) A1 00000000 [];
[US7018366](#) B2 00000000 [];
[US4747166](#) A 00000000 [];
[US6740066](#) B2 00000000 [];
[US5911222](#) A 00000000 [];
[US5342583](#) A 00000000 [];



[US5558654](#) A 00000000 [];
[US6443939](#) B1 00000000 [];
[US4356012](#) A 00000000 [];
[US4709660](#) A 00000000 [];
[US5267363](#) A 00000000 [];
[US5848443](#) A 00000000 [];
[US2002193762](#) A1 00000000 []

- || STSE (B2)
[US4356012](#) A 00000000 [];
[US4709660](#) A 00000000 [];
[US4747166](#) A 00000000 [];
[US5267363](#) A 00000000 [];
[US5279512](#) A 00000000 [];
[US5342583](#) A 00000000 [];
[US5558654](#) A 00000000 [];
[US5848443](#) A 00000000 [];
[US5911222](#) A 00000000 [];
[US6443939](#) B1 00000000 [];
[US6740066](#) B2 00000000 [];
[US7018366](#) B2 00000000 [];
[US2002193762](#) A1 00000000 [];
[US2006015080](#) A1 00000000 [];
[WO0057784](#) A1 00000000 []

CCI	- A61F5/451
CI	- A61F5/451 (EP)
TI	- (A1 B2) Automatic self cleaning bladder relief with battery pad system
AB	- (A1 B2) This invention is an automatic or semi-automatic bladder relief system which increases sanitation and comfort for users requiring a means to dispose of urine in the absence of sanitary facilities, such as aircraft pilots and incontinent individuals. This invention incorporates an inflatable urine collection means that may be deflated after use. The power unit incorporates a battery that is integrated into a disposable urine storage bag or into a disposable female pad or male cup. This invention utilizes a disposable urine storage bag with an isolated cleaning fluid chamber with a directional valve and pump system automatically rinsing and sanitizing the pump,

hoses, collection means and the user with a cleaning fluid stored in the cleaning fluid chamber of the **disposable urine** storage bag. The **disposable urine** storage bag contains **absorbent** polymer crystals **absorbing** the **urine** as it is deposited in the bag during use.

24/28 © EPODOC / EPO

PN - [TW200716066](#) A 20070501
 PNFP - TWI290461B B 20071201
 PR - TW20050137303 20051025
 AP - [TW20050137303](#) 20051025
 DT - I
 PA - (A)
 LIU TING-YAN [TW]; ZHANG YU-LAN [TW]
 - (B)
 LIOU TING-YAN [TW]; JANG YU-LAN [TW]
 TI - (A B)
Disposable and pocket-type diaper **pad**
 AB - (A B)

A **disposable** and pocket-type diaper **pad** comprises high polymer **absorbing** water material, waterproof layer and the like. By setting an opening with appropriate size on appropriate location of the diaper **pad** and flexible opening design, it is convenient to wear on and off for **male** reproductive organs. The **urine** can be directly introduced into the inner pocket formed by the diaper **pad** and **absorbed** by the high polymer **absorbing** water material, which has characteristics including the **urine** is directly introduced into the inner pocket of the diaper for preventing skin infection and uncomfortable caused by direct contact between the **urine** and human skin. Further, the pocket-type diaper **pad** can be used with common adult **disposable** diaper, underpants, and **disposable** underpants or used with a special **disposable** diaper for rapidly replacing after urinating.

25/28 © EPODOC / EPO

PN - [JP2007259923](#) A 20071011
 PNFP - JP4778820B B2 20110921
 PR - JP20060085814 20060327
 AP - [JP20060085814](#) 20060327
 DT - I
 CT - // STSE (A)
[JP2007159714](#) A 00000000 []
 FI - A41B13/02&F; A41B13/02&H; A41B13/02&K; A41B13/02&R; A61F13/47&100; A61F13/471; A61F13/56&100; A61F13/62; A61F5/44&H
 FT - 3B200/AA01; 3B200/AA14; 3B200/BA01; 3B200/BA16; 3B200/BB03; 3B200/CA12; 3B200/CA14; 3B200/DA02; 3B200/DD01; 3B200/DD02; 3B200/DE01; 3B200/DE03; 3B200/DE14; 4C098/AA09; 4C098/CC08; 4C098/CC11; 4C098/CC14; 4C098/CE07; 4C098/DD02; 4C098/DD03; 4C098/DD10; 4C098/DD12; 4C098/DD22; 4C098/DD23; 4C098/DD25; 4C098/DD26; 4C098/DD28; 4C098/DD30
 PA - (A)

LIVEDO CORP

- TI - (A)
ABSORBENT ARTICLE
- AB - (A)
PROBLEM TO BE SOLVED: To use an **absorbent** article for an **absorbent pad** fitted to the inside of a **disposable** diaper or a **urine** absorption article for the **male**.
- (A)
SOLUTION: The **absorbent** article 1 is provided with: a nearly rectangular or nearly sheet-like main body part 2 having a top sheet 21, an absorption core 22 and a back sheet 23; and corner part hook-and-loop fasteners 41 provided to the four corner parts 25 of the main body part 2, respectively. The **absorbent** article 1 can be used as the absorption **pad** for receiving excreta from a wearing person by attaching the corner part hook-and-loop fasteners 41 to the inside of the **disposable** diaper. The **absorbent** article 1 can be used as the **urine** absorption article for the **male** by folding the edge part of an end 26 in the longitudinal direction of the main body part 2 back to the side of the back sheet 23 to be attached to the corner part hook-and-loop fasteners 41, and folding corner parts 25 on both of the sides back to the side of the top sheet 21 to be attached to each other by one corner part hook-and-loop fastener 41 to form a cylindrical part 200 for wrapping the penis.
- (A)
COPYRIGHT: (C)2008,JPO&INPIT

26/28 © EPODOC / EPO

- PN - [JP2007167210](#) A 20070705
- PR - JP20050366684 20051220
- AP - [JP20050366684](#) 20051220
- DT - I
- FI - A41B13/02&R; A61F13/471; A61F13/475&110; A61F13/475&112
- FT - 3B200/AA01; 3B200/AA14; 3B200/BA05; 3B200/BA12; 3B200/CA12; 3B200/DA02; 3B200/DA21
- PA - KAMI SHOJI KK
- TI - **DISPOSABLE MEN'S DIAPER AND ITS USAGE**
- AB - PROBLEM TO BE SOLVED: To provide a **disposable men's** diaper capable of suppressing the coming out of the entire **male** organ from a **urine** removal **pad**; and its usage.
- SOLUTION: This vertically long rectangular diaper body 1 has a liquid permeable top sheet 2, a liquid impermeable back sheet 3, and a liquid **absorbent** body 4 disposed therebetween. The surface of the back sheet 3 is oppositely provided with two sheet materials 6 having water repellence and covering the back sheet 3 with a space 10 formed between themselves and the back sheet 3, and a superposed part 12 opened along the longitudinal direction of the diaper body 1 is provided. When being used, after opening the superposed part 12, the inside ends of the right/left sheet materials 6 are reversed with their facing outward respectively, turned inside out to the side of the top sheet 2 to wrap the diaper body 1 in the inside and expose the surface of the back sheet 3 to the outside, and cover the top sheet to form a new space part between the two sheet materials 6 turned inside out and the top sheet 2, so that a **pad** newly provided with a superposed part opened along the longitudinal direction of the diaper body 1 is formed.
- COPYRIGHT: (C) 2007,JPO&INPIT

27/28 © EPODOC / EPO

PN - [GB2449060](#) A 20081112

PR - GB20070005623 20070323

AP - [GB20070005623](#) 20070323

DT - *; Rep

CT - // STSE (A)
[EP0903131](#) A1 00000000 [];
[EP1101475](#) A2 00000000 [];
[EP1614406](#) A1 00000000 [];
[FR2701389](#) A1 00000000 [];
[FR2822057](#) A1 00000000 [];
[US2004012753](#) A1 00000000 [];
[US2004059308](#) A1 00000000 [];
[WO9722316](#) A1 00000000 [];
[WO2004004617](#) A1 00000000 []

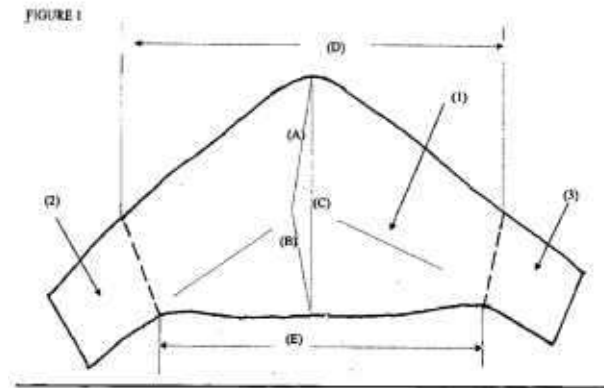
CCI - [A61F13/471](#) ; [A61F13/4915](#)

CI - A61F13/471 (EP)
A61F13/4915 (EP)

PA - CHIDYUSIKU GEORGE
WADDILOVE [GB]

TI - **Pad** for **male** use for **absorbing urine**

AB - A **urine absorbing pad** is specially designed for **male** use and to be worn inside underwear. The **pad** is made in such a way to form a cup 1 which holds the penis of a wearer. The **pad** may have two "wings" 2, 3 by which it can be attached, by means of adhesive, to underwear. The **pad** may be made of **disposable**, sterile and **absorbent** material with a membrane to let **urine** through and keep the penile area dry.



28/28 © EPODOC / EPO

PN - [CN200994844Y](#) 20071226

PR - CN20072002691U 20070129

AP - [CN20072002691U](#) 20070129

DT - I

PA - YUNJIANG PEI [CN]

TI - **Disposable male** protecting-**pad** cover

AB - The utility model relates to a **disposable** protection sleeve for **male**. The utility model is characterized in that a sleeve is an extendable ring shaped body, the layer structure of the cross section of the sleeve from outer to inner are a nonwovens, a plurality of thin rubber band, a water **absorbing** material and a nonwovens. The cross sectional shape of the sleeve may be circular, squareness, triangle, rhombus and polygon. The utility model has a plurality of types of large, middle and small. The outer layer nonwovens may be replaced by other dry and clear net surface, such as plastic net surface. The

outer surface of the sleeve is provided with retractable creasing. The material can be added with spice and Chinese traditional medicine. The utility model has simple structure, low cost and large function. The protection sleeve for **male** can be worn on the penis coronary sulcus to keep the complete uncased condition of balanus so as to prevent balanus from growing bacteria, keep the cleanness, dryness and comfort of balanus and coronary sulcus, clear the peculiar smell and the residue of **urine**, semen and sweat, and to prevent disease like balanitis, etc; besides, the utility model has important sense for the genital health of wife.

[SS 20]