

[SS 7] Article and absorbent and front and back and panels and elastic and material

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PN - [WO2018111298](#) A1 20180621

PR - WO2016US67129 20161216

AP - WO2016US67129 20161216

DT - *; Rep

CT - |KR| ISR (A1)

[EP0422504](#) A2 19910417

[A] (KIMBERLY CLARK CO [US])

[A] 1-19

* See page 12; claim 1; figure 3. *;

[US6152906](#) A 20001128

[A] (FAULKS MICHAEL JOHN [US],
et al)

[A] 1-19

* See the whole document. *;

[KR20120003790](#) A 20120111

[A] (LEE SEE YOUNG [KR])

[A] 1-19

* See the whole document. *;

[US7435244](#) B2 20081014

[A] (SCHROER JR CHARLES
FREDERICK [US], et al)

[A] 1-19

* See the whole document. *;

[US8101814](#) B2 20120124

[A] (MIRLE SRINIVAS
KRISHNASWAMY [US], et al)

[A] 1-19

* See the whole document. *

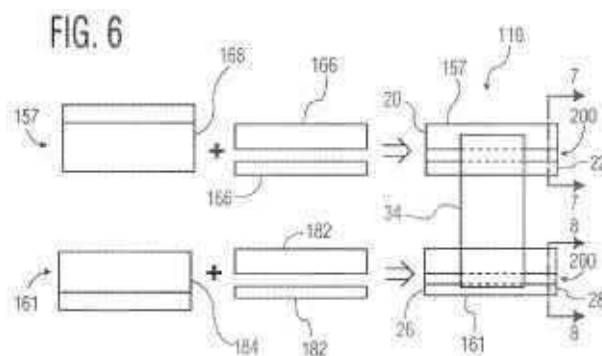
CCI - [A61F13/49011](#) ; [A61F13/4902](#)

CCA - [A61F2013/49025](#)

PA - KIMBERLY CLARK CO [US]

TI - DIAPER PANTS HAVING A PARTIAL
NON-OVERLAPPING WAIST PANEL
STRUCTURE FREE OF
INNER MATERIAL AND ELASTICS

AB - An **absorbent article** includes a
longitudinal axis and a lateral



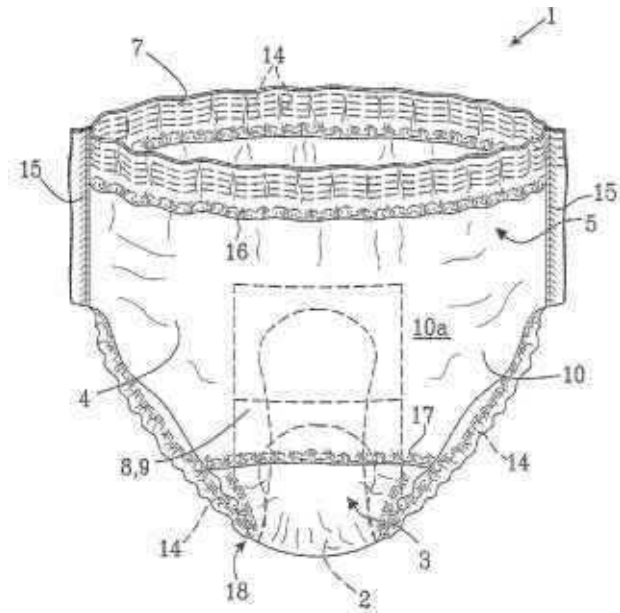
axis; a **front** region, a **back** region, a crotch region, the crotch region being disposed between the **front** region and the **back** region; a **front** panel in the **front** region, wherein the **front** panel includes an inner layer and an outer layer; a **back** panel in the **back** region, wherein the **back** panel includes an inner layer and an outer layer; an **elastic** layer disposed between the inner layer and the outer layer in the **front** panel; an **elastic** layer disposed between the inner layer and the outer layer in the **back** panel; and a single-layer zone in one of the **front** and **back** panels, wherein the single-layer zone is free of the inner layer and **elastic** layer.

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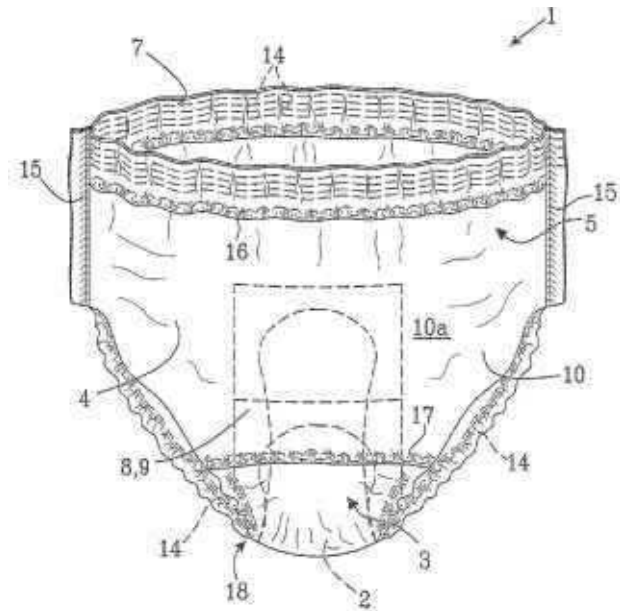
- PN - TNSN07333 A1 20081231
- PR - WO2005SE00309 20050302
- AP - TN2007SN00333 20070831
- DT - I
- CCI - A61F13/49011 ; A61F13/496 ; A61F13/15593 ; A61F13/15756
- CCA - A61F2013/15406 ; A61F2013/1556 ; A61F2013/49063
- PA - SCA HYGIENE PROD AB [SE]
- TI - APANT-TYPE **ABSORBENT ARTICLE** AND METHOD FOR ITS MANUFACTURE
- AB - A pant-type **absorbent article** having a core region (3) and a **front** (5) and a **back** panel (6) comprising an **elastic web material** (10) constituting the sole component of at least part of the **front** and/or **back panels**, said **article** further having an **elastic** waistband (7) joined to the **elastic web material** (10). The waistband comprises a first and a second ply (20, 21) of non-**elastic web material** (22) enclosing between them at least one elongate **elastic** member (14), wherein the first ply (20) is secured to one side of the **elastic web material** (10) and the second ply (21) of is secured to the opposite side of the **elastic web material** just opposite the first ply. The first and second plies are secured to the **elastic web material** (10) while this is in a stretched condition so as to form gathers (29) along the waistband seam (16) when the **elastic web material** (10) is in a relaxed position.

3/26 © EPODOC / EPO

PN - MY162100 A 20170531
 PR - WO2005SE00309 20050302
 AP - MY2005PI05700 20051206
 DT - I
 CCI - A61F13/49011 ; A61F13/496 ;
A61F13/15593 ; A61F13/15756
 CCA - A61F2013/15406 ;
A61F2013/1556 ;
A61F2013/49063
 PA - SCA HYGIENE PROD AB [SE]
 TI - APANT-TYPE **ABSORBENT ARTICLE**
 AND A METHOD FOR ITS
 MANUFACTURE
 AB - A pant-type **absorbent article** (1),
 at least one of the **front** and **back**
panels (5, 6) having an **elastic**
web material (10) constituting
 the sole component of at least
 part of the **front** and/or **back**
panels (5, 6), the **elastic**
 waistband (7) being joined to the
 waist edge (5a, 6a) of at least
 one of the **front** and **back panels**
 (5, 6), wherein the **elastic**
 waistband (7) having a first and
 a second ply (20, 21) of
 substantially non- **elastic**
web material (22) enclosing
 between them at least one
 elongate **elastic member** (14), the
 first ply (20) of substantially
 non-**elastic web material** (22)
 being secured to one side of
 the **elastic web material** (10) at
 the waist edge (5a, 6a) of at least
 one of the **front** and **back panels**
 (5, 6) and that the second ply
 (21) of substantially non-**elastic**
web material (22) is secured to
 the opposite side of the **elastic**
web material (10) just opposite
 said first ply (20).



PN - TW200631559 A 20060916
 PR - WO2005SE00309 20050302
 AP - TW20050141493 20051125
 DT - I
 CCI - A61F13/49011 ; A61F13/496 ;
A61F13/15593 ; A61F13/15756
 CCA - A61F2013/15406 ;
A61F2013/1556 ;
A61F2013/49063
 PA - SCA HYGIENE PROD AB [SE]
 TI - A pant-type **absorbent article** and
 a method for its manufacture
 AB - A pant-type **absorbent article**
 having a core region (3) and
 a **front** (5) and a **back** panel (6)
 comprising an **elastic**
 web **material** (10) constituting
 the sole component of at least
 part of the **front** and/or **back**
panels, said **article** further
 having an **elastic** waistband (7)
 joined to the **elastic web material**
 (10). The waistband comprises a
 first and a second ply (20, 21) of
 non-**elastic** web **material** (22)
 enclosing between them at least
 one elongate **elastic** member (14),
 wherein the first ply (20) is
 secured to one side of the **elastic**
 web **material** (10) and the second
 ply (21) of is secured to the
 opposite side of the **elastic**
 web **material** just opposite the
 first ply. The first and second
 plies are secured to the **elastic**
 web **material** (10) while this is in
 a stretched condition so as to
 form gathers (29) along the
 waistband seam (16) when
 the **elastic web material** (10) is in
 a relaxed position.



PN - [US2013281958](#) A1 20131024

PR - WO2010SE51438 20101220

AP - US201013994970 20101220

DT - **

CT - || R141 (A1)
[US4743241](#) A [];
[US2005120466](#) A1 [];
[US7632259](#) B2 [];
[US2010262103](#) A1 []

CCI - [A61F13/49012](#) ; [A61F13/49015](#) ;
[A61F13/49017](#) ; [A61F13/496](#) ;
[A61F13/15739](#) ; [A61F13/15804](#)

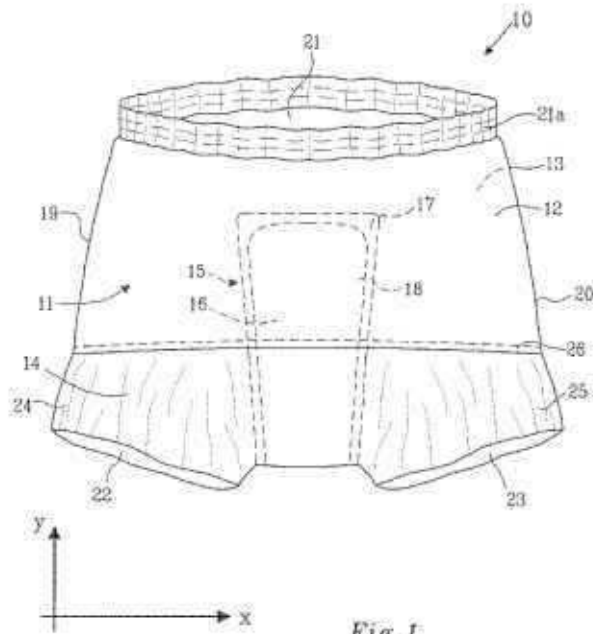
CUI - [A61F13/15699](#)

CCA - [A61F2013/49038](#) ;
[Y10T156/1002](#)

PA - BAECK LUCAS [SE]; KARLSSON
TONY [SE]; NILSSON LENNART [SE];
SCA HYGIENE PROD AB [SE]

TI - **ABSORBENT ARTICLE IN THE
FORM OF BOXER SHORTS AND
METHOD FOR MAKING THEREOF**

AB - An **absorbent** pant **article** in the
form of boxer shorts includes a
garment shell including a **front**
body panel, a **back** body panel
and a crotch panel made
of **elastic web material**. The pant
also includes an **absorbent** core,
side seams connecting the **front**
body panel to the **back** body
panel, a pair of leg openings and
hanging legs. The leg openings
are located in the crotch panel
and do not extend into the **front**
and **back** body **panels**, and side
seams extend into the crotch
panel. The width of the crotch
panel in a relaxed condition of
the **elastic web material**, as
measured between the side
seams of the **article**, is at least
7% larger than the width of any
of the **front** and **back** body **panels**
in a relaxed condition of the
respective **elastic web material**.



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PN - [CN103260571](#) A 20130821

PNFP - CN103260571B B 20150506

PR - WO2010SE51438 20101220

AP - CN2010870790 20101220

DT - I

CT - || STSE (A)

[US2366865](#) A 19450109

[A] (MESSING MONROE M)

[A] 1-11

全文

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[A] (KIMBERLY CLARK CO [US])

[A] 1-11

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[US2005124948](#) A1 20050609

[A] (MORMAN MICHAEL T [US], et al)

[A] 1-11

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[A] (KARAMI HAMZEH [BE], et al)

[A] 1-11

全文

[US2009008023](#) A1 20090108

[A] (VERHAERT ANNE [BE], et al)

[A] 1-11

全文

CCI - [A61F13/49012](#) ; [A61F13/49015](#) ;
[A61F13/49017](#) ; [A61F13/496](#) ;
[A61F13/15739](#) ; [A61F13/15804](#)

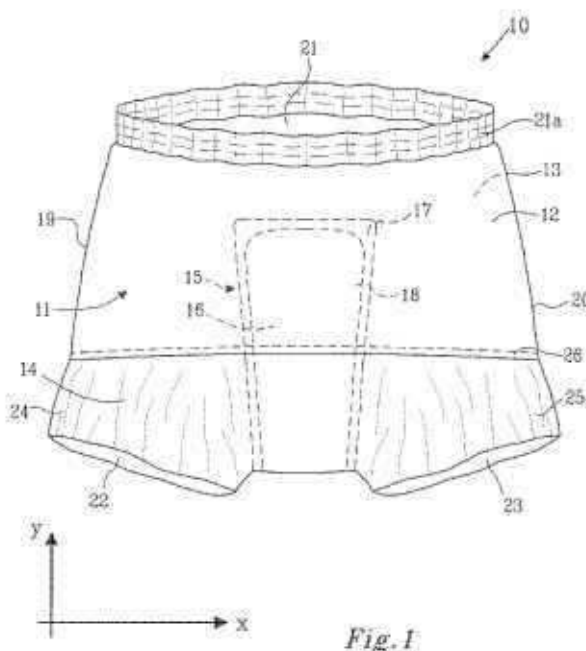
CUI - [A61F13/15699](#)

CCA - [A61F2013/49038](#) ;
[Y10T156/1002](#)

PA - (A B)
SCA HYGIENE PROD AB

TI - (A B)
Absorbent boxer shorts with
expanded crotch panel and
method of making thereof

AB - (A)
The invention refers to
an **absorbent** pant **article** in the
form of boxer shorts comprising
a garment shell (11) including
a **front** body panel (12), a **back**



body panel (13) and a crotch panel (14) made of **elastic web material**. The pant also comprises an **absorbent core** (16), side seams (19, 20) connecting the **front** body panel to the **back** body panel, a pair of leg openings (22, 23) and hanging legs (24, 25). The leg openings are located in the crotch panel and do not extend into the **front** and **back** body panels, and said side seams extend into the crotch panel. The width of the crotch panel in a relaxed condition of the **elastic web material**, as measured between the side seams of the **article**, is at least 7% larger than the width of any of the **front** and **back** body panels in a relaxed condition of the respective **elastic web material**. The invention also refers to a method for making the **absorbent pant article**.

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PN - [WO2013100110](#) A1 20130704

PR - JP20110285216 20111227

AP - WO2012JP83999 20121227

DT - *; Rep

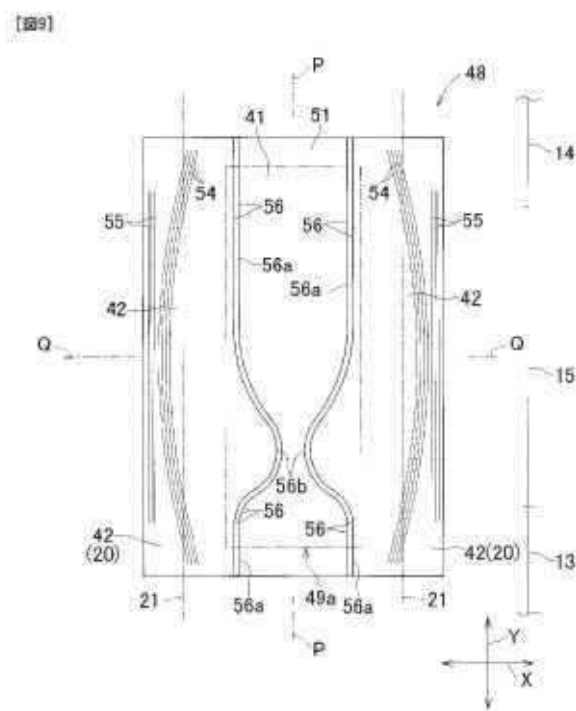
CT - |JP| ISR (A1)
[JPH11188062](#) A 19990713
[X] (KAO CORP);
[JP2009011378](#) A 20090122
[A] (DAIO SEISHI KK);
[JP2010022549](#) A 20100204
[A] (DAIO SEISHI KK);
[JP2002065728](#) A 20020305
[A] (SCA HYGIENE PROD AB)

CCI - [A61F13/49017](#) ; [A61F13/496](#)

PA - UNICHARM CORP [JP]

TI - DISPOSABLE CLOTHING **ARTICLE**

AB - Provided is a disposable clothing **article** that prevents separation of the crotch area

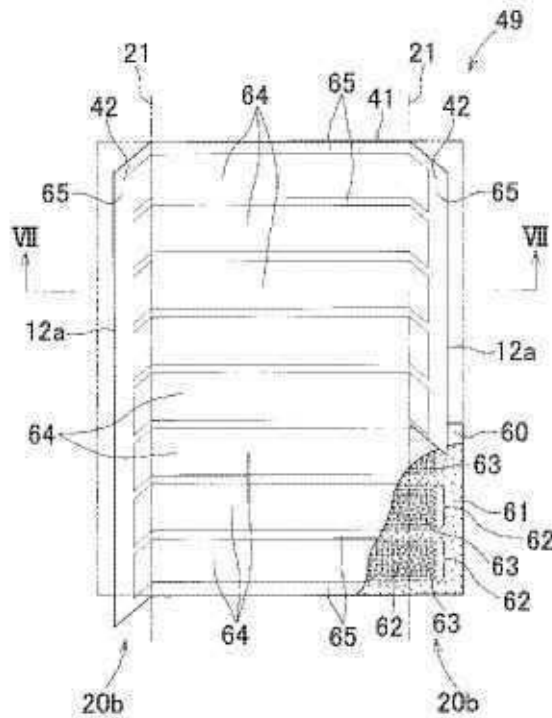


from the wearer's skin, limits the uncontrolled flow of excreta and is able to reduce the attractiveness when worn. The disposable diaper (10) comprises: a **front** waist region (13); a **back** waist region (14); a crotch region (15) positioned between the **front** and **back** waist regions (13, 14); an **elastic** waist panel (11) that demarcates the **front** and **back** waist regions (13, 14) and is formed from the **front** and **back** waist **panels** (18, 19); and a crotch panel (12), which demarcates the crotch region (15), has a base sheet (48) and a liquid-absorbing structure (49) disposed thereabove, and connects the **front** and **back** waist **panels** (18, 19). The liquid-absorbing structure (49) comprises a liquid-absorbing **material** layer (62) that contains at least 70 mass% of **absorbent** polymer particles (63) and is in the form of a sheet. The base sheet (48) comprises: bielastic leg-circling sealing regions (20) positioned on both sides thereof; crotch **elastic** bodies that are each positioned between the bielastic leg-circling sealing regions; and the liquid-absorbing structure (49). The crotch **elastic** bodies extend between the **front** waist region (13) and the **back** waist region (14) in the longitudinal direction (Y) through the base sheet region where the liquid-absorbing structure (49) is disposed with an imaginary longitudinal central line (P-P) as the center. In the transverse direction (X) of the region, the crotch **elastic** bodies have a first portion where the distance of separation from each other is largest and a

second portion where the distance of separation from each other is smallest, and the distance of separation from each other decreases gradually from the first portion to the second portion.

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- PN - [WO2013094726](#) A1 20130627
- PR - JP20110280537 20111221
- AP - WO2012JP83212 20121221
- DT - *; Rep
- CT - [JP] ISR (A1)
[JPH09504978](#) A 19970520
[Y] (MOELNLYCKE AB.);
[WO2010113563](#) A1 20101007
[Y] (UNI CHARM CORP [JP], et al);
[JP2001258935](#) A 20010925
[Y] (KAO CORP);
[JPS5321888](#) A 19780228
[Y] (COLGATE PALMOLIVE CO);
[JP2010063815](#) A 20100325
[Y] (UNI CHARM CORP);
[JP2009056142](#) A 20090319
[A] (DAIO SEISHI KK);
[US2004019341](#) A1 20040129
[A] (CHEN JOSEPH [TW])
- CCI - [A61F13/49061](#) ; [A61F13/496](#)
- PA - UNICHARM CORP [JP]
- TI - DISPOSABLE WEARABLE **ARTICLE**
- AB - Provided is a disposable wearable **article** that can prevent excrement, such as urine, from accumulating between a pair of leak-preventing flaps and prevent excrement from leaking. This disposable diaper (10) has a longitudinal direction (Y) and a lateral direction (X) which are orthogonal to one another, and comprises: a skin opposing surface and a skin non-opposing surface; a **front** waist region (13); a **back** waist region (14); a crotch region (15) located between the **front** and **back** waist



regions (13, 14); an **elastic** waist panel (11) that defines the **front** and **back** waist regions (13, 14) and that is formed of **front** and **back** waist **panels** (18, 19); and a crotch panel (12) that is connected to the **elastic** waist panel (11) and defines the crotch region (15), the crotch panel including a pair of leg-surrounding seal regions (20) and a liquid-**absorbent** structure (49). The liquid-**absorbent** structure (49) comprises a liquid-**absorbent material** layer (62) that includes liquid-**absorbent** polymer particles (63) and that is provided between liquid-permeable upper and lower sheets (60, 61). The liquid-**absorbent** structure has a central region (41) located in the center in the lateral direction (X), and side regions (42) located on both sides in the lateral direction (X). Each side region (42) is formed as a portion of the leg-surrounding seal region (20) by being folded toward the central region (41) along a virtual folding line (21) located between the central region (41) and each side region (42). An **absorbent** region (64) extends along the lateral direction (X) from the central region (41), beyond the virtual folding lines (21), and up to the side regions (42).