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DIVISION DE NUEVAS CREACIONES
Superintendencia de Industria y Comercio
E. S. D.

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



No. 06-098647- -00001-0000

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Trámite : 011
Evento : 378
Actuación : 538

Referencia : Expediente No. 06.098.647
Asunto : Solicitud de Patente para **EXTREMO DE RETENCION
PARA BOBINA DE MATERIAL DE LIMPIEZA
DISPUESTA EN UN APARATO DISTRIBUIDOR DE
MATERIAL DE LIMPIEZA**
Solicitante : **GRANGER, MAURICE**
Clase : A47K 010/038, B65H 075/018
Publicada en : La Gaceta No. **573** Del 28 de febrero de 2007
Fecha de Solicitud : 29 de septiembre de 2006

1. Yo, Emilio FERRERO, identificado como aparece al pie de mi firma, actuando como apoderado en el asunto de la referencia, atentamente, solicito se efectúe el examen de patentabilidad de la solicitud en referencia presentada de acuerdo con el Capítulo I del PCT y según lo establecido en el artículo 44 de la Decisión 486 de la Comisión de la Comunidad Andina. Para tal efecto presento junto con este escrito el recibo por valor de \$404.000.00, que corresponde a la tasa fijada según lo dispuesto en la resolución No. 36155 de 28 de diciembre de 2006.

2. Ruego atentamente a la Señora Jefe se sirva ordenar que se anexe este recibo para que se efectúe dicho examen y se continúe con el trámite de la solicitud.

Señora Jefe,

EMILIO FERRERO
T.P.A. No. 31.929

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FBH\ASG\ID-106033\WPC14137
No. M-2007-106033\FBH

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



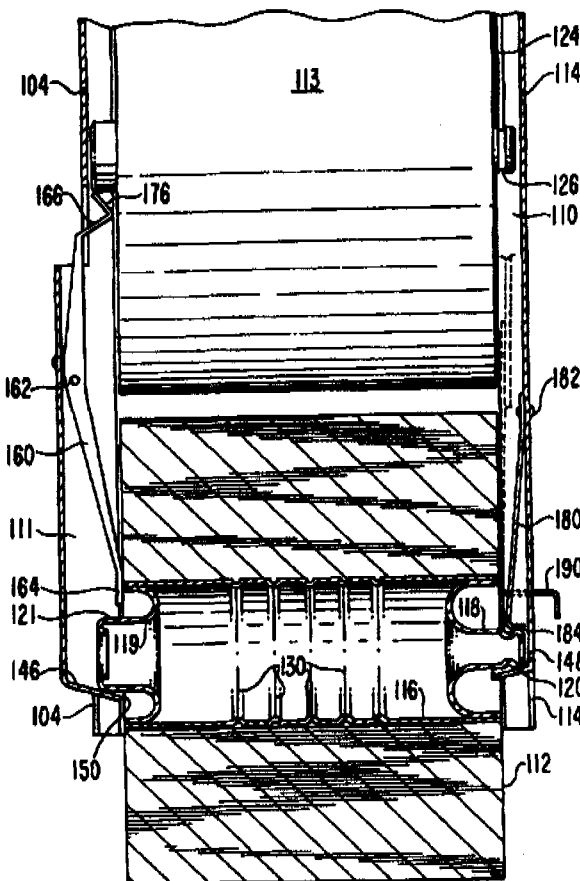
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: DISPENSING SYSTEM WITH KEYED GUIDE SLOT FOR SHEET ROLLS

(57) Abstract

A dispenser (100), a flexible sheet material roll (12), and a dispensing system for dispensing flexible material from the sheet material rolls. The system includes a rolled products dispenser and sheet material rolls. The dispenser includes opposing lateral side wall surfaces (104, 114), and a guide track (110, 111) located in each of the lateral side wall surfaces. At least one of the two guide tracks includes an elongated guide projection (124). Each sheet material roll includes flexible sheet material wound around a hollow center core having first and second ends, and first (118) and second (119) end caps positioned in respective ends of the hollow center core (116). Both end caps have an inwardly projecting portion located side the hollow centre core, and an outwardly projecting cylindrical spindle (120, 121) extending outwardly past their respective end of the hollow center core. The spindles guide the roll within the guide tracks of the dispenser. The spindle of one of the end caps includes at least one annular groove (126) in its circumference which interfaces with the elongated guide projection of the guide track, to provide a system where the roll is keyed to fit the dispenser. This assures proper orientation of the rolls in the dispenser, and provides an arrangement for coordinating the quality of the rolls being dispensed from specific dispensers.



DISPENSING SYSTEM WITH KEYED GUIDE SLOT FOR SHEET ROLLS

FIELD OF THE INVENTION

The present invention relates to a dispensing system including a dispenser for dispensing sheet material from rolls, and a flexible sheet material roll with a keyed guiding system. More specifically, the present invention relates to a dispensing system, a dispenser, and flexible sheet material rolls, e.g., toilet tissue rolls, which assures proper orientation of the rolls in the dispenser, and provides an arrangement for coordinating the quality of the rolls being dispensed from specific dispensers.

BACKGROUND OF THE INVENTION

The present invention relates to flexible sheet material rolls, e.g., toilet tissue rolls, and the storage and dispensing of the rolled flexible sheet material. Institutional toilet tissue dispensers are frequently sized and adapted to hold and dispense multiple rolls of toilet tissue. Conventional dispensers of this type are typically designed so that rolls of toilet paper can be arranged inside the dispenser casing, whereby at least one roll is kept in an upper reserve position, while a lower roll is in a dispensing position. The tissue rolls have a hollow core with end caps located in both ends of the hollow core. The end caps include outwardly extending cylindrical projections which extend past the ends of the rolls. The dispenser includes spaced apart guide tracks in opposing lateral wall surfaces. The guide tracks each guide a projection from a respective end cap as the roll rotates about its center axis while it is being dispensed, and as the roll travels from the upper reserve position to the lower dispensing position when the lower roll is depleted and/or removed.

A general problem associated with these dispensers is that custodians or other operators insert new toilet tissue rolls into the dispenser in the incorrect orientation, i.e., reversed 180°. This makes dispensing the roll more difficult and/or impossible because the leading edge of the sheet material does not extend from the front of the dispenser.

In an attempt to overcome this problem, prior art dispensers have used guide tracks

of differing widths, and rolls having end caps with projections of differing diameters, which generally correspond to the differing guide track widths. Thus, the dispenser would include a narrow guide track, i.e., the right guide track, and a wide guide track, while the rolls would be provided with a smaller diameter projection, i.e., the right projection, and a larger diameter projection. Proper orientation of the roll into the dispenser by the custodian is enhanced as the larger or left end cap projection only fits easily into the larger or left guide track. However, there are at least two drawbacks associated with this present arrangement.

First, many custodians who may be in a rush, or who may be otherwise inattentive, may forcibly insert improperly oriented replacement toilet rolls into the guide tracks when loading the rolls into the dispenser. This may result in the jamming of the lower dispensing roll preventing it from being dispensed and/or the jamming of the upper reserve roll preventing it from falling down into the dispensing position. Further, this arrangement does not provide a system for coordinating the quality of the rolls for use with specific dispensers.

Additionally, color coding and written instructions may be written on a toilet tissue roll wrapper to help the custodian determine the proper roll orientation. However, custodians who are in a rush or are inattentive, can ignore these visual indicators as they are dependent on the lighting of the restroom area, or on the literacy of custodian to read instructions, which may also be in a different language.

SUMMARY OF THE INVENTION

The invention relates to a dispenser and end cap system for flexible material rolls, and a flexible sheet material roll, which assure proper orientation of the rolls in the dispenser, and provides an arrangement for coordinating the quality of the rolls being dispensed from specific dispensers.

In one embodiment, a dispenser is intended for use to dispense flexible sheet material from rolls having projecting end portions, one of which has an annular groove therein. The dispenser includes first and second opposing lateral side walls, with each lateral side wall having a corresponding guide track for guiding a respective projecting end portion of the sheet material roll. The guide track of the first lateral side wall includes an elongated guide projection therein being sized and shaped to correspondingly fit within the annular groove of the one projecting end portion.

The present invention is also directed to a dispenser system for dispensing flexible material from sheet material rolls. The system includes a rolled products dispenser and a sheet material roll. The dispenser includes first and second opposing lateral side walls, with each lateral side wall having a corresponding guide track. The guide track of the first lateral side wall includes an elongated guide projection therein. The sheet material roll includes flexible sheet material wound around a hollow core. The core has first and second ends, and roll guiding structure located partially within the hollow roll core and extending outwardly from both ends of the hollow roll core for guiding the roll of sheet material in the opposing guide tracks of the rolled product dispenser. The roll guiding structure includes a first outwardly projecting cylindrical portion extending outwardly past the first end of the hollow roll core and a second outwardly projecting cylindrical portion extending outwardly past the second end of the hollow roll core. The first outwardly projecting portion includes at least one annular groove located in its circumference. When the sheet material roll is inserted into the dispenser, the guide tracks guide a respective outwardly projecting cylindrical portion of the sheet material roll. The annular groove cooperates with the guide projection.

The present invention also provides a sheet material roll intended for use in a rolled product dispenser having opposing guide tracks and a guide projection in one of the guide tracks. The sheet material roll includes flexible sheet material wound around a hollow core having first and second ends and roll guiding structure. The roll guiding structure is located partially within the hollow roll core and extends outwardly from both the first and second ends of the hollow roll core for guiding the sheet material in the opposing guide tracks of the rolled product dispenser. The roll guiding means includes a first outwardly projecting cylindrical portion extending outwardly past the first end of the hollow roll core and a second outwardly projecting cylindrical portion extending outwardly past the second end of the hollow roll core. The first and second outwardly projecting portions permit the roll to be guided within the opposing guide tracks of the rolled products dispenser. The first outwardly projecting portion includes at least one annular groove located in its circumference cooperating with the guide projection.

The invention also relates to a sheet material roll which is intended for use in a rolled product having opposing guide tracks and a guide projection in one of the guide tracks of the dispenser. The sheet material roll includes a first end cap, a second end cap, and a roll of

flexible sheet material wound around a hollow center core having first and second ends. The first end cap is positioned in the first end of the hollow center core, and the second end cap is positioned in the second end of the hollow center core. Both end caps include an inwardly projecting portion located inside the hollow center core, and an outwardly projecting cylindrical portion extending outwardly past their respective end of the hollow center core. The outwardly projecting cylindrical portions permit the roll to be guided within opposing the guide tracks of the rolled products dispenser. The outwardly extending cylindrical portion of the first end cap includes at least one annular groove located within its circumference cooperating with the guide projection. A stop flange serves as an alignment device for aligning the annular groove with respect to the first end of the hollow roll core to align the groove with the elongated guide projection when the sheet material roll is inserted into a dispenser.

The present invention provides a dispenser, a sheet material roll, and a dispensing system which alleviates the above-discussed problems of prior art dispensers, rolls, and dispensing systems. The dispenser and spindles on the sheet material rolls are keyed which minimizes the possibility of improperly oriented rolls from being inserted into the dispenser. Further, the keyed arrangement provides a system for coordinating the quality of the rolls dispensed from the dispensers.

Further preferred features and advantages of the present invention will appear from the following detailed description given by way of example of a preferred embodiment illustrated with reference to the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a top-right isometric view of one end, e.g., the right end, of the dispenser and the toilet tissue roll of the present invention, showing the interface between the roll end cap and the dispenser guide track;

Figure 2 is a cross-sectional view of the roll of toilet tissue paper with end caps shown in Figure 1, taken through the center of the roll, for use in the dispensing apparatus shown in Figure 1;

Figure 3 is an enlarged cross-sectional view of the keyed end cap of Figures 1 and 2 for use in the dispensing apparatus shown in Figure 1;

Figure 4 is a perspective view showing a dispenser housing with the conventional dispenser cover removed, incorporating the features illustrated in Figure 1 and correspondingly described hereinafter;

Figure 5 is a sectional view of the dispenser shown in Figure 4 showing a roll entering the upper end of the housing with the parts at the dispensing position in readiness to receive the roll;

Figure 6 is a sectional view of the dispenser shown in Figure 4 showing a roll in section in the dispensing position and a reserve roll retained in the reserve roll position, the rolls incorporating the features illustrated in Figures 1-3 and correspondingly described hereinafter;

Figure 7 is a sectional view of the dispenser shown in Figure 4, similar to Figure 6, showing an empty hollow roll core in the dispensing position indicating the forces operating to effect physically deformed removal of the hollow core;

Figure 8 is a sectional view of the dispenser shown in Figure 4 showing a full roll, having the features illustrated in Figures 1-3 and correspondingly described hereinafter, in the dispensing position;

Figure 9 is a sectional view showing a modified form of readily deformable hollow core from that illustrated in Figure 7, and incorporating the features illustrated in Figures 1-3 and correspondingly described hereinafter; and

Figure 10 is a sectional view showing another modified form of readily deformable hollow core from that illustrated in Figure 7, and incorporating the features illustrated in Figures 1-3 and correspondingly described hereinafter.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Figures 1-3 show the dispenser and end cap system of the present invention. The dispenser and end cap system includes a pair of guide tracks in a roll dispenser 5, only the right guide track 10 is shown in Figure 1, which accepts one or more rolls 12 of flexible sheet material, e.g., tissue paper. Guide tracks 10 are preferably located within opposing lateral wall surfaces 14 of dispenser 5 and preferably include spaced front and rear wall surfaces 10a and 10b defining the width of guide track 10, and an inwardly facing lateral wall surface 10c defining the length of guide track 10. In a preferred dispenser design, for

example the dispenser shown in Figures 4-8, guide tracks are generally vertically oriented permitting dispenser to house a lower paper roll in a lower dispensing position for immediate dispensing, and an upper roll of paper in a reserve position, and enabling dispenser to transfer the roll from the upper reserve position to the lower dispensing position.

As depicted in Figures 1 and 2, each roll 12 has a hollow core 16 with end caps 18, 19 located therein. Each end cap 18 and 19 includes a cylindrically shaped outwardly projecting portion 20 and 21, i.e., a spindle, extending past their respective side end 22 and 23 of roll 12. Spindles 20 and 21 interface with, and are guided within, a respective guide track 10 in the dispenser. Further, depending upon the desired dispenser used, hollow core 16 may be designed to be readily deformable, or otherwise breakable to assist in its removal from the dispenser. To achieve such a characteristic, core 16 is preferably made of light weight paperboard such as shown in Figure 9, of a core construction as shown in section on Figure 6 wherein the core intermediate its ends is scored or otherwise weakened, or is made in the form of a split core. U.S. Patent No. 4,522,346 to Jespersen discloses the use of split cores, while U.S. Patent No. 4,671,466 to Jespersen et al. discloses the use of deformable scored or weakened cores. The '346 and '466 patent are both hereby incorporated by reference.

To facilitate the accurate orientation of roll 12 in the dispenser, opposing guide tracks preferably have different sized widths. Accordingly, end caps 18 and 19 of roll 12 also have spindles 20 and 21 with different sized diameters. For example, spindle 20 of end cap 18 has a smaller diameter than spindle 21 of end cap 19. Similarly, guide track 10 is narrower than its opposing guide slot, not shown in Figure 1. Guide slot 10 is also narrower than the diameter of spindle 21 such that spindle 21 cannot normally fit in guide slot 10. Paper roll 12 is delivered to the dispenser locale with the end caps placed in their proper core end. The custodian will usually insert roll 12 into the dispenser with the proper orientation, i.e., with narrow spindle 20 in narrow guide slot 10, as roll 12 will not fit into the dispenser oriented the opposite way, unless it is improperly forced.

To minimize the possibility of a custodian forcibly inserting an improperly oriented roll, and to achieve other advantages as described herein, at least one of the guide tracks and one of the spindles are "keyed". The keyed feature is partially provided by including a guide projection strip 24 on at least one the front and rear wall surfaces 10a and 10b of the guide

tracks, e.g., guide track 10, and partially provided by a U-shaped annular groove 26 located in the circumference of its corresponding spindle, e.g., spindle 20. In the preferred embodiment, projection strip 24 is located in narrow guide track 10, and annular groove 26 is located in narrow spindle 20. Guide projection strip 24 is similarly shaped, and sized slightly smaller than, annular groove 26, i.e., they are substantially complementary to each other, to provide an arrangement where spindle 20 cooperates with guide track 10. It is recognized that while groove 26 is preferably U-shaped, groove 26 could take the form of one of many other desirable shapes, e.g., V-shaped. Further, depending on the design of the dispenser and user preferences, guide strip 24 may extend from the top of guide track 10 to the bottom of guide track 10, or may be just long enough to prevent the insertion of a roll with a non-keyed end cap.

As shown in Figures 2 and 3, each end cap 18 and 19 includes a roll core insertion portion 28 and 29 for insertion into hollow core 16 of roll 12. Roll core insertion portions 28 and 29 of both end caps 18 and 19 are functionally identical, and thus, only insertion portion 28 is described herein. As best shown in Figure 3, roll core insertion portion 28 preferably includes an annular leading edge 30, a conical centering portion 32, and an annular outer wall 34. Leading edge 30 and centering portion 32 facilitate the insertion of end cap 18 into core 16 by providing an inherent centering structure, wherein spatial tolerances are absorbed by the conical centering portion 32 bearing against the inner surface of hollow roll core 16. Insertion of each end cap 18 and 19 into core 16 can continue until stop flange 36, which is located at the end of outer wall 34, abuts against end 22 of roll 12. Upon the complete insertion of portion 28, outer wall 34 fits snugly within the inner wall of hollow core 16. Stop flange 36 guarantees proper tolerances between the groove 26 and the roll 12, and therefore also provides the desired tolerances between the spindle 20 and guide slot 10, in particular the mating of groove 26 to projection 24. Stop flange 36 thus functions as an alignment device that assures the proper predetermined spacing of groove 26 from the edge of the roll so that it aligns with projection 24.

End cap 18 is preferably made from a plastic by any desirable forming technique. For example, end cap 18 may be injection molded, and groove 26 may be formed in the molding process or in a secondary operation by any technique including a forming jaw actuated by a hydraulic cylinder.

1/7

FIG. 1

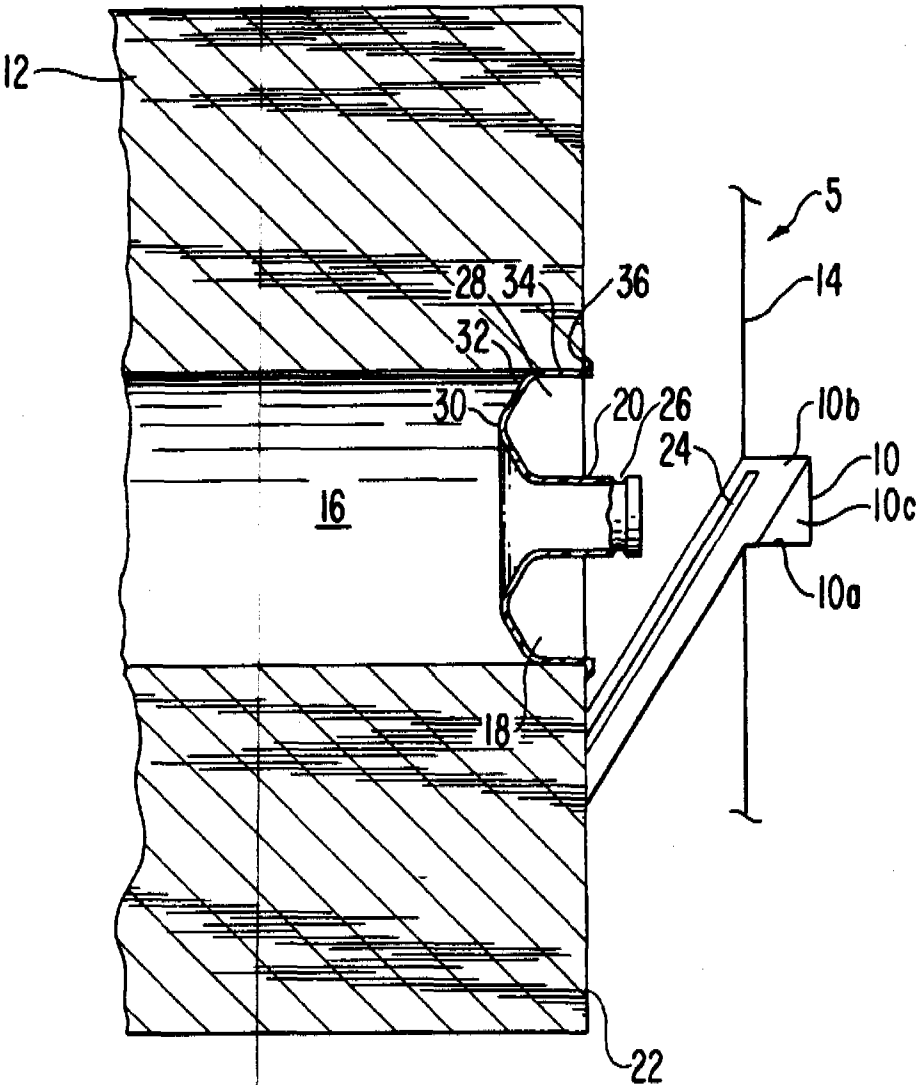
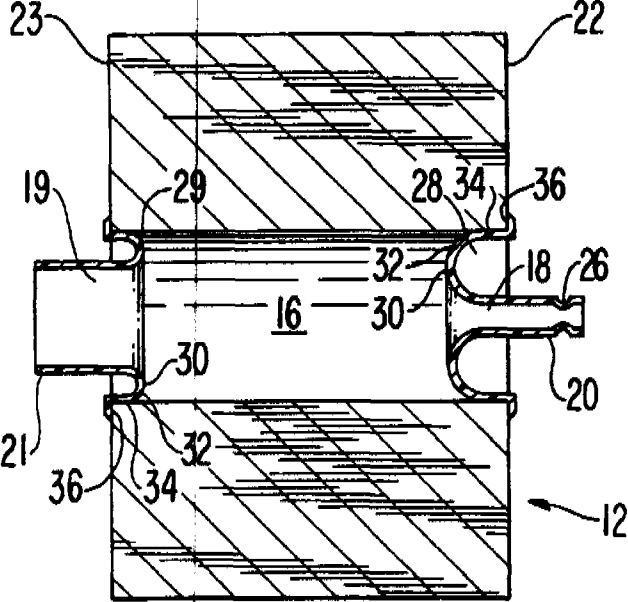


FIG. 2



2/7

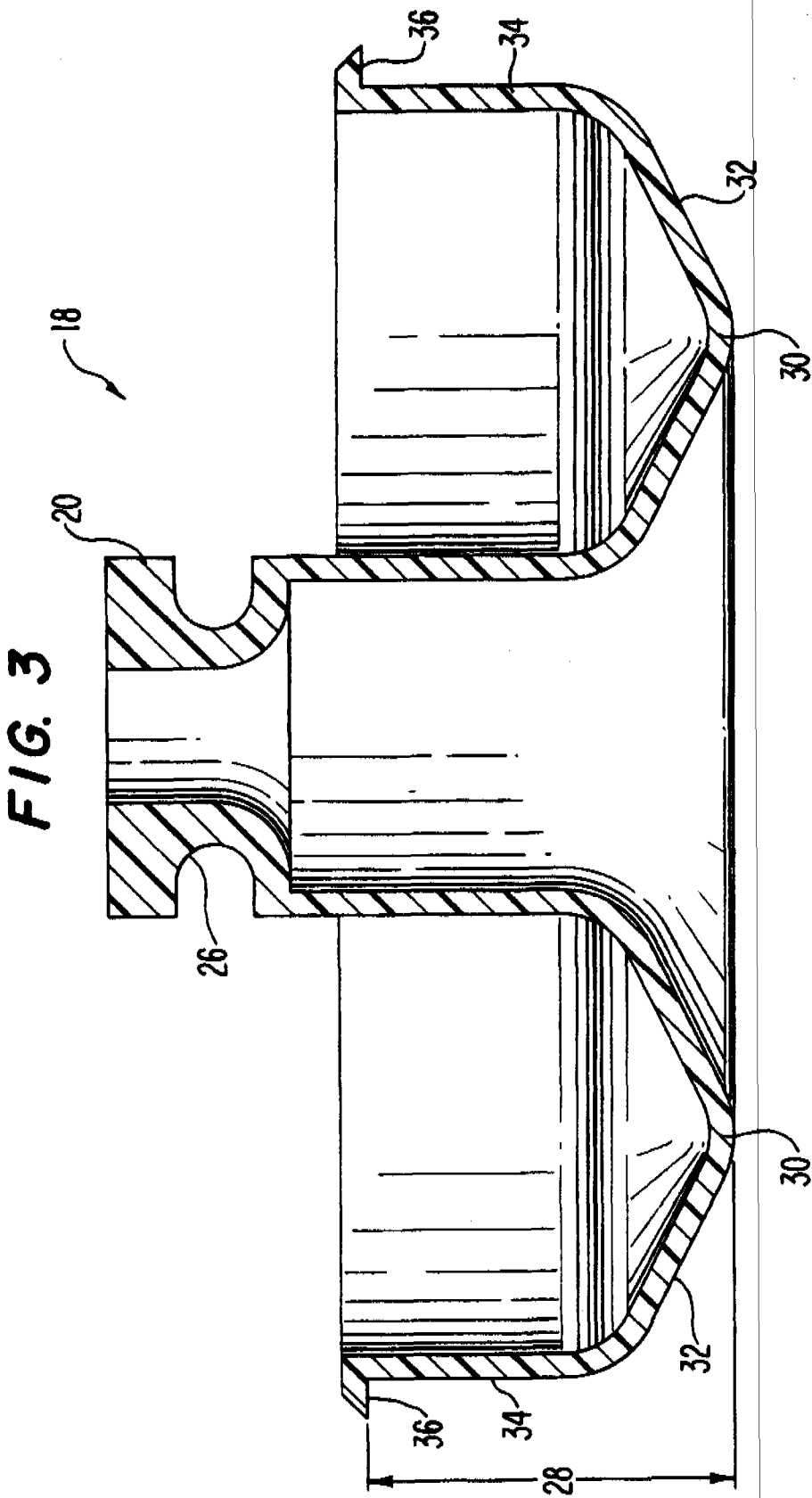


FIG. 5

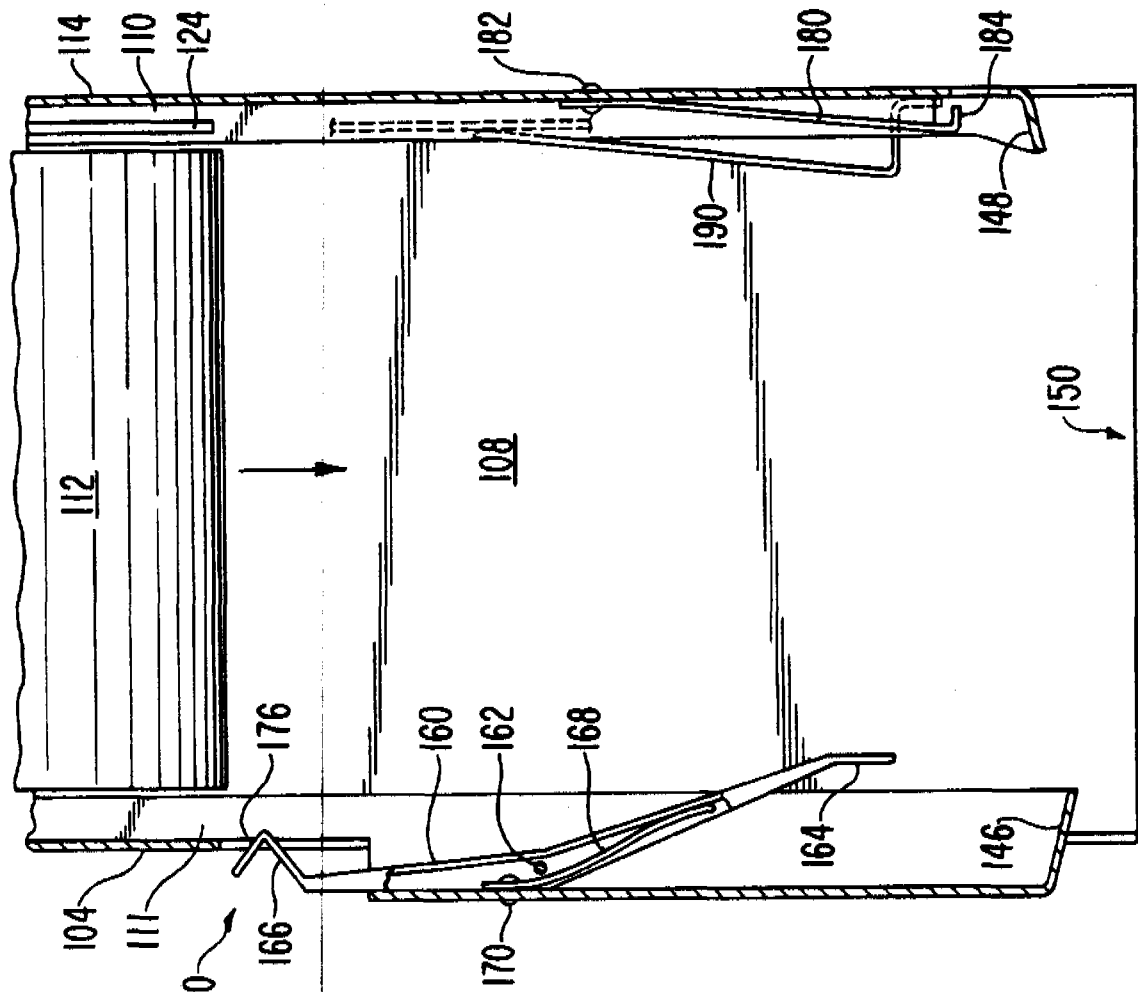


FIG. 4

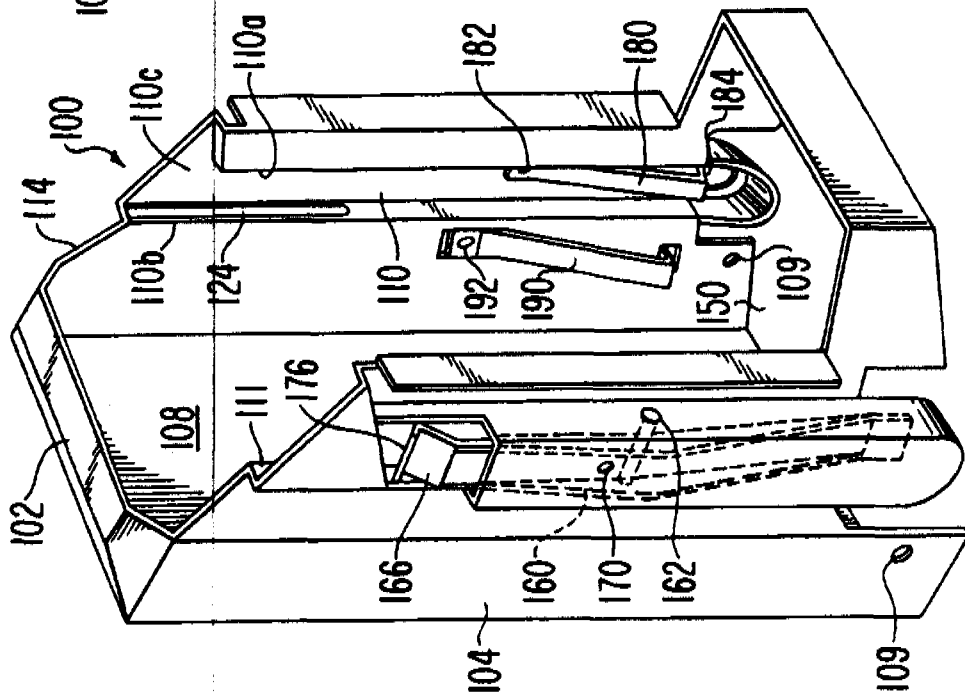


FIG. 6

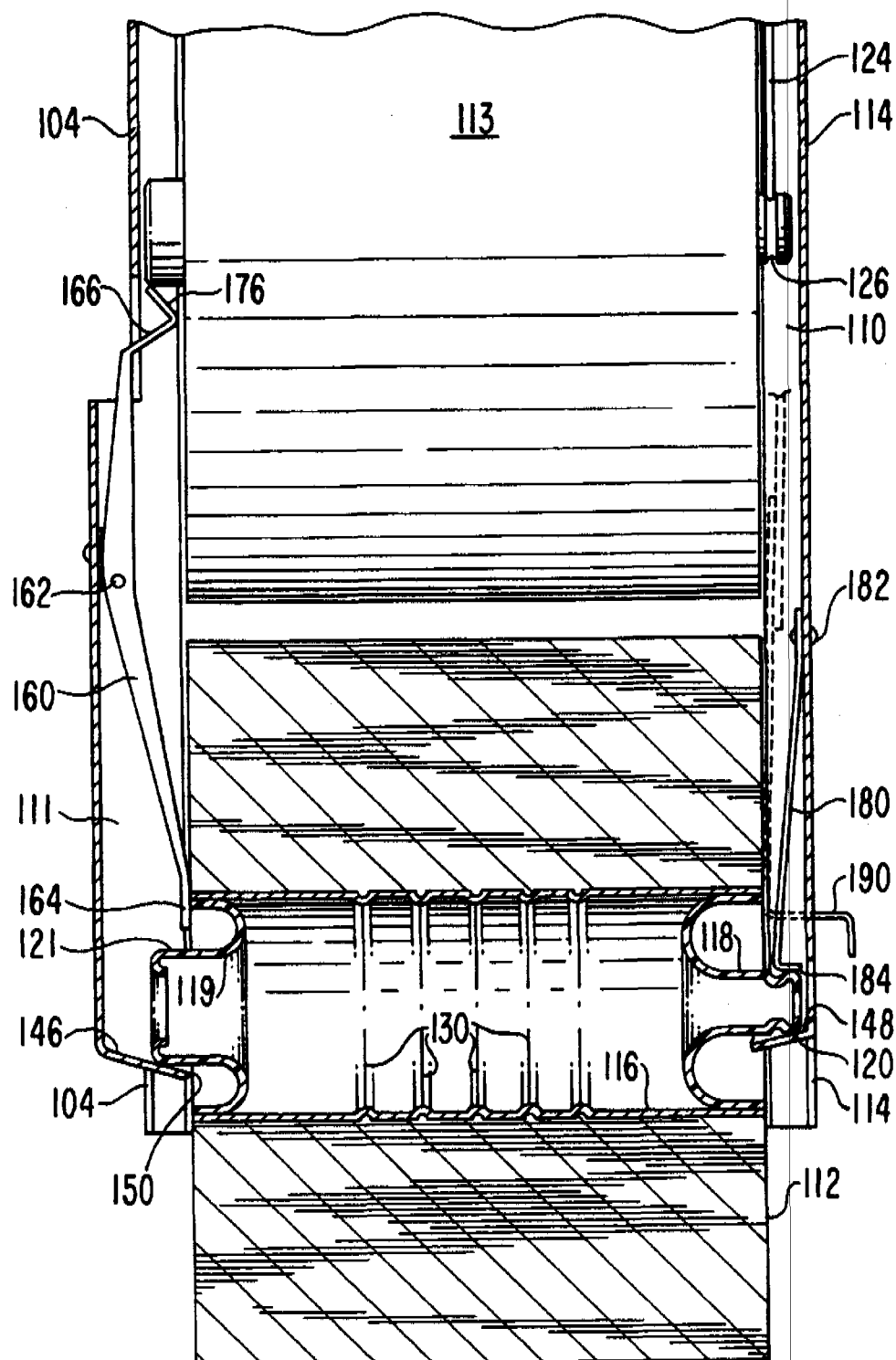


FIG. 7

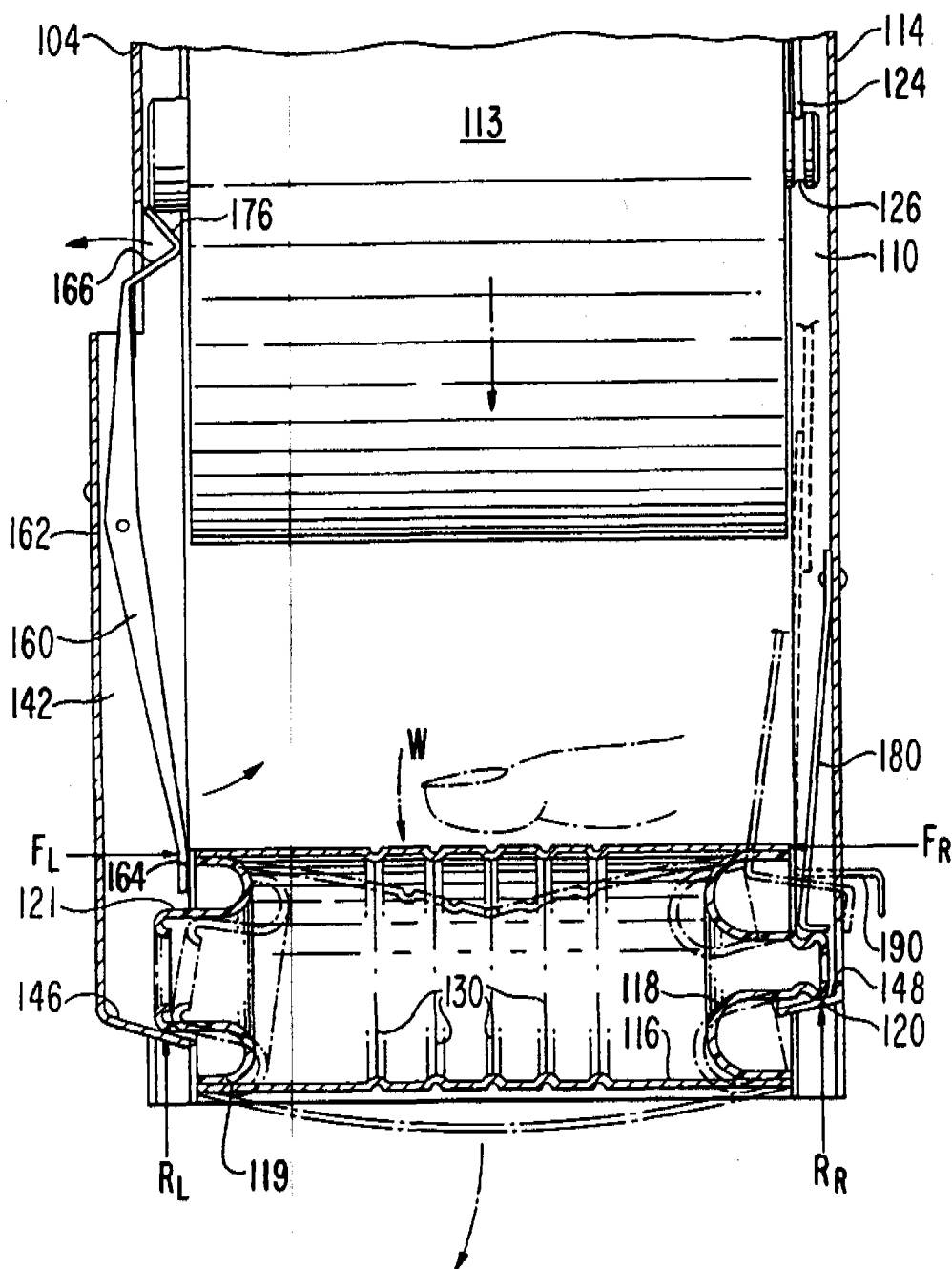


FIG. 8

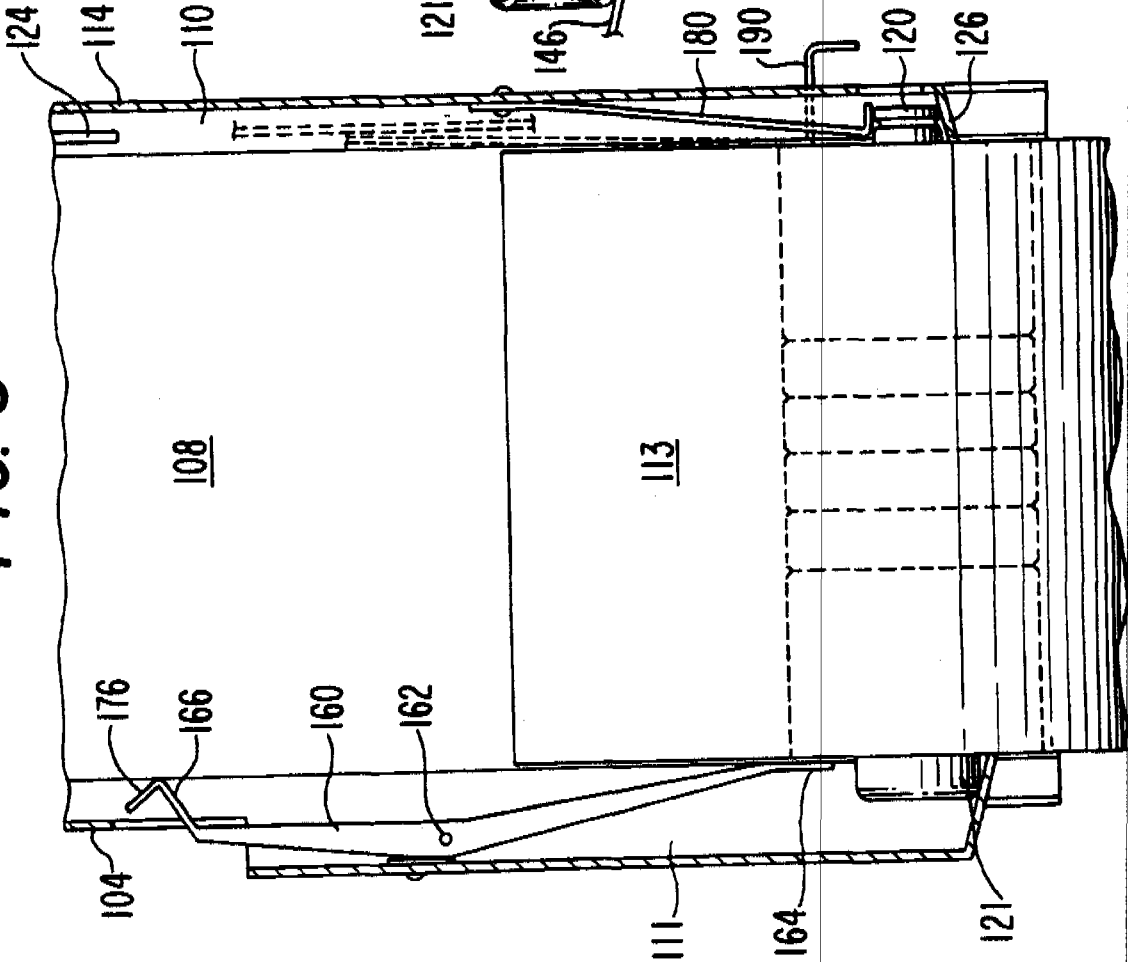


FIG. 9

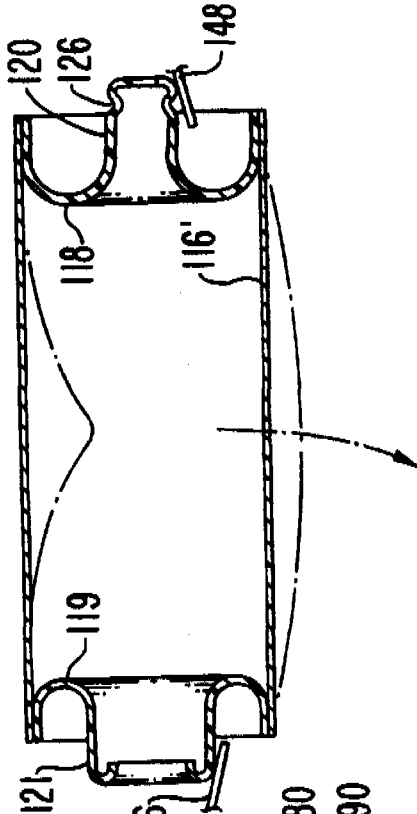
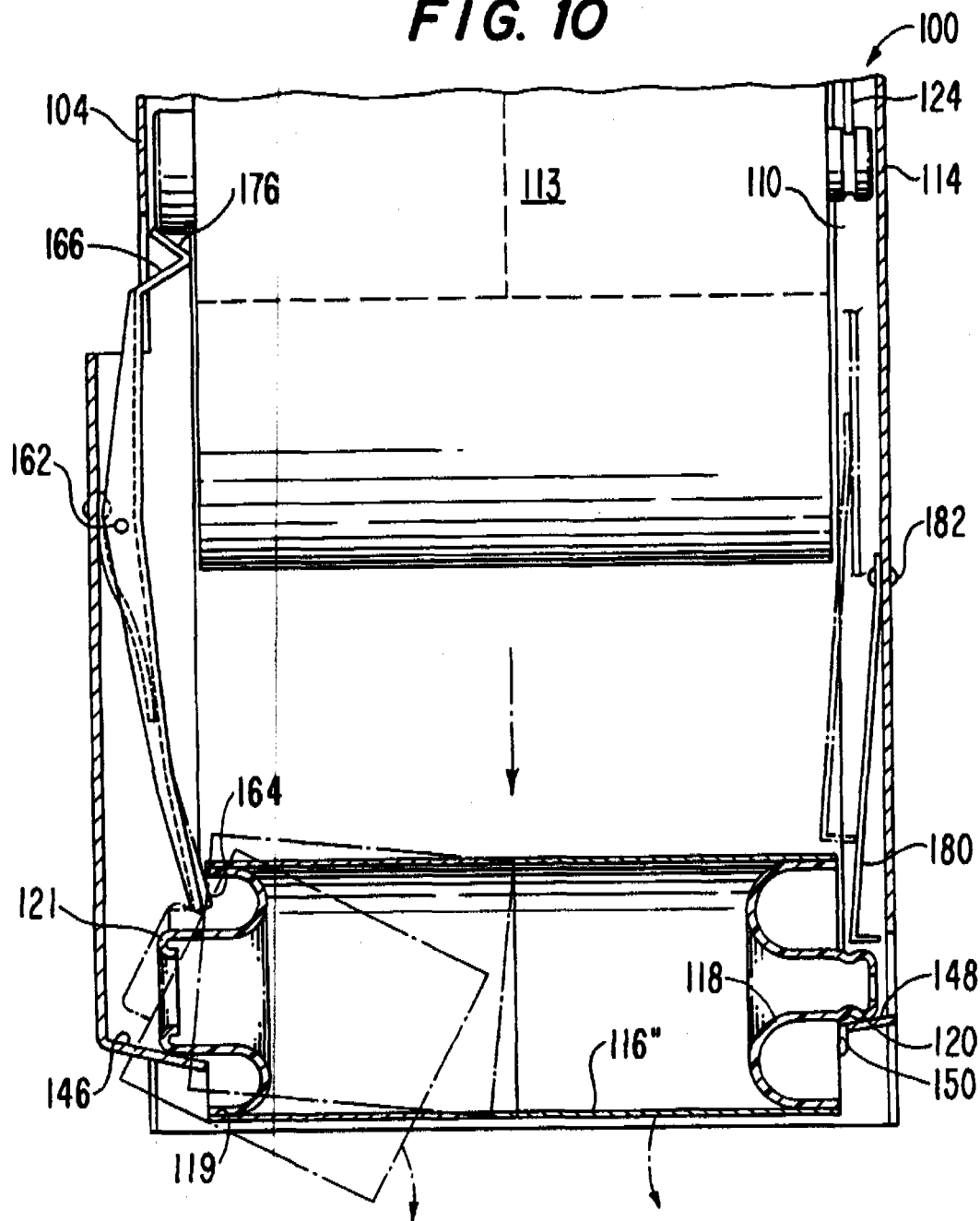


FIG. 10



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2020
Bogotá, D.C.,

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ASUNTO

Radicación 06 - 98647
Trámite 011
Evento 379
Actuación 430
Oficio 007218
Folios 11

Patente de Invención ☒ Patente de Modelo de Utilidad ☐

Vía Nacional ☐

Vía PCT (fase nacional) ☒ Cap. I ☒ Cap. II ☐

No. Sol. Internacional PCT/FR2005/050197

Fecha de Presentación Internal. 2005/03/30

Como resultado del examen de fondo, realizado con fundamento en el artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se comunica:

1. Documentos estudiados

Descripción: Folios: 30 a 41 Como se radico inicialmente.
Reivindicaciones: Folios: 42 a 47 Como se radico inicialmente.
Dibujos: Folios: 49 a 53 Como se radico inicialmente.
Prioridad: Folios: 1 (FR) 2004-0450648 (2004/04/01).

2. Objeto de la invención

Título de la invención: "EXTREMO DE RETENCION PARA BOBINA DE MATERIAL DE LIMPIEZA DISPUESTA EN UN APARATO DISTRIBUIDOR DE MATERIAL DE LIMPIEZA". (Folio 1).

Problema Técnico Planteado:

- Evitar el desbordamiento en los extremos de una bobina que posee papel toilette para la limpieza y secado en general, cuando un usuario realiza una tracción fuerte sobre el papel de la bobina ocasionando que esta se desubique de sus bridas o soportes, cayendo al fondo del aparato del distribuidor de papel, generando daños en los elementos internos que componen el distribuidor de papel, asimismo como en los extremos de la bobina.

- Garantizar la posición y el mantenimiento en los extremos de la bobina de papel toilette para la limpieza, asimismo para los soportes o bridas del distribuidor del papel donde se alojan dichos extremos.
- Proporcionar unos extremos de retención en una bobina de papel toilette para limpieza, con una configuración constructiva de manera que sus costos de manufacturas sean mínimos.
- Proporcionar unas bridas o soportes que junto con los extremos de retención en una bobina de papel toilette de limpieza permitan realizar una evacuación automática de la bobina con el fin de desembobinarla luego de la apertura de la tapa del aparato distribuidor.

Solución:

- La solución a los problemas técnicos planteados es proporcionar una pieza configurada como extremo de retención en una bobina de papel toilette de limpieza que forma parte de un mandril que es usado para soportar un rollo de material en dicha bobina. Este extremo de retención comprende una parte cilíndrica que puede ser insertada en un mandril, en donde a su vez tiene una ranura guía y de retención la cual se inserta dentro de una ranura o camino guía que tiene a su vez la brida o soporte del distribuidor de papel, formando un acoplamiento entre el extremo de retención y dicha ranura guía de ensamble, soportando y reteniendo la bobina de papel toilette en la parte interior del distribuidor de papel, con el fin de que esta quede retenida y ubicada en dicha brida y al mismo tiempo permitir realizar una evacuación automática de la bobina con el fin de desembobinarla luego de la apertura de la tapa del aparato distribuidor.

IPC: A47K10/38, B65H16/06, B65DH75/18, A47K10/24, B65H16/00.

3. Análisis de la solicitud de Patente

Reivindicaciones (*artículo 30 D 486, Art 22 PCT*).

Claridad:

- En la reivindicación independiente No.1 y su dependiente No.10, se ilustran los elementos llamados "*guía (15)*" y "*medio (15)*", se evidencian que estos elementos no son claros, ni coherentes, debido a que con el mismo numero de referencia (15) se esta identificando las mismas características y otros elementos totalmente diferentes que componen la invención como por ejemplo el elemento llamado "*eje (15)*" o el mismo "*medio (15)*".

Se le sugiere al solicitante que redacte nuevamente el capítulo descriptivo y las graficas o dibujos de la invención, ilustrando de manera clara y asignando otro numero de referencia que identifique estos elementos o características, la cual guarde correspondencia con el capítulo descriptivo, la graficas o dibujos y dicho capítulo reivindicatorio, con el objetivo de comprender mejor la invención al momento de hacer el análisis y distinguir los elementos de dicha invención.

Se le sugiere al solicitante presentar una nueva reivindicación independiente No.1, que contenga en el preámbulo los elementos conocidos en el estado de la técnica y en la parte caracterizadora presentar los elementos y/o características novedosas que lo hacen diferente del estado de la técnica.

Se le recuerda al solicitante que en la reivindicación independiente, la parte caracterizadora, que suele seguir al preámbulo precedida por la frase **"caracterizado por"**, recoge las características técnicas que van hacer protegidas y que constituyen la novedad frente al objeto conocido del estado de la técnica.

- En los siguientes grupos de reivindicaciones independientes y dependientes, se evidencia que ilustran elementos, características, componentes o términos, que no son claros, no se definen de manera específica y concreta a que elementos se están refiriendo y/o cuales elementos pertenecen, así:

- No.1. "Bobina", "Mandril de soporte".
- No.1. "Parte cilíndrica", "Canal", "Pasaje".
- No.1. "Formas específicas ligeramente achaflanadas".
- No.1. "Collar de apoyo".
- No.2. "Ranura".
- No.3. "Hendidura".
- No.4. "Parte inferior de la base".
- No.6. "Forma de canal".
- No.6. "Apéndice de la pieza en extremo".
- No.8. "Aleta", "Nervadura de chaflán interior".
- No.8. "Ranura", "Apéndice".
- No.9. "Parte inferior de la guía de aleta", "Escalón oblicuo".
- No.9. "Lado exterior", "Zona media es horizontal".
- No.9. "Línea".
- No.10 y 14. "Bobina", "Apéndice".
- No.12. "Articulación del medio (15)", "Medio", "Guía", "Eje".
- No.14. "Pieza de extremo".

Se le sugiere al solicitante que coloque de manera específica y concreta a que elementos, características, componentes o términos, se está refiriendo, colocando al frente de la característica o del elemento, el número de referencia guardando correspondencia con el capítulo descriptivo, las graficas o dibujos y dicho capítulo reivindicatorio, con el objetivo de comprender mejor la invención al momento de hacer el análisis y distinguir los elementos de dicha invención.

- En las reivindicaciones dependientes No.4, 7 y 8, se ilustran los elementos llamados *"línea (11m), cara aparente (13b), cara baja (12d)"*, se evidencia que estas características o elementos, no se encuentran, ni se evidencian, en las graficas o dibujos de la solicitud en estudio, debido a que los números de referencia asignados y que identifican estas características en las graficas o dibujos no se están ilustrando.

Se le sugiere al solicitante que presente nuevamente las correspondientes graficas o dibujos, conteniendo e ilustrando de manera clara los números de referencia que identifican estas características o elementos en dichas graficas o dibujos, guardando correspondencia con el capitulo descriptivo, y dicho capitulo reivindicatorio, con el objetivo de comprender mejor la invención al momento de hacer el análisis y distinguir los elementos de dicha invención.

4. Determinación del Estado de la Técnica

Teniendo en cuenta la fecha de presentación nacional, con fecha del 29 de Septiembre del 2006, se encontraron los siguientes documentos relevantes:

Nº	Documento	Título	Fecha de Publicación
D1	WO9623719	DISPENSING SYSTEM WITH KEYED GUIDE SLOT FOR THE SHEET ROLLS	08/08/1996

1. Respecto al estado de la técnica:

El documento **D1 WO9623719** ilustra un dispensador de papel con un rollo o bobina flexible de papel toilette para limpieza y secado en general, junto con su respectivo sistema de dispensado de papel para accionar dichas bobinas o rollos flexibles de papel toilette. (Ver “Abstract, Hojas 1 a 7” y las “figuras No.1 a No.10”).

5. Análisis de Patentabilidad (Art 14 D486):

Novedad (Art 16 D486)

1. Respecto a la solicitud en estudio:

La reivindicación No.1 dice: “Una pieza extremo integrada en un mandril de soporte de la bobina de material del tipo que comprende una parte cilíndrica.....caracterizada en que coopera con una guía (11-12-15) establecida sobre la brida (3) soporte de la bobina (6) de material con respecto de la carcasa (1) del aparato, y en que la guía (11 - 12 - 15) se encuentra dispuesta del lado interior de la brida (3) del lado susceptible de recibir la bobina de material (6) al igual que un tambor (5) del dispositivo de corte correspondiente, y en que la guía (11 – 12 – 15) presenta formas especificas ligeramente achaflanadas que sobresalen formando y definiendo un canal, susceptible de recibir el apéndice (10c) de la pieza extremo para el pasaje y la retención de la pieza extremo y prolongándose por una parte de recepción de la pieza extremo luego de su introducción. (Ver folio 42).

2. Análisis de las diferencias con respecto al estado de la técnica:

En la tabla No.1, se ilustran en las casillas de comparación, la explicación de Afirmativa si las reivindicaciones están comprendidas dentro del estado de la técnica (documento **D1**), en caso contrario se enunciara como No es Afirmativa.

Tabla No.1.

ESTUDIO DE NOVEDAD	
Características esenciales de la Solicitud en estudio	Estado de la Técnica
	Documento D1
".....coopera con una guía (11-12-15) establecida sobre la brida (3) soporte de la bobina (6) de material con respecto de la carcasa (1) del aparato, y en que la guía (11 - 12 - 15) se encuentra dispuesta del lado interior de la brida (3) del lado susceptible de recibir la bobina de material (6) al igual que un tambor (5) del dispositivo de corte correspondiente, y en que la guía (11 - 12 - 15) presenta formas específicas ligeramente achaflanadas que sobresalen formando y definiendo un canal, susceptible de recibir el apéndice (10c) de la pieza extremo para el pasaje y la retención de la pieza extremo y prolongándose por una parte de recepción de la pieza extremo luego de su introducción."	Afirmativa (Ver "Abstract" Hoja 3 (lin 9 a 32), Hoja 4 (lin 1 a 12), Hoja 5 (lin 23 a 30), Hoja 6 (lin 1 a 30), Hoja 7 (lin 1 a 11), Hoja 7 (lin 12 a 30) figuras 1 a 10).

3. Realizada la comparación y el análisis del documento D1, mediante la tabla No.1 con respecto a la solicitud en estudio donde se presenta la reivindicación No.1, se evidencia que D1 contiene todas las características esenciales de la reivindicación No.1. Por lo que se concluiría que la reivindicación No.1 de la solicitud en estudio no es nueva y no cumpliría con lo estipulado en el artículo 16 de la decisión 486.

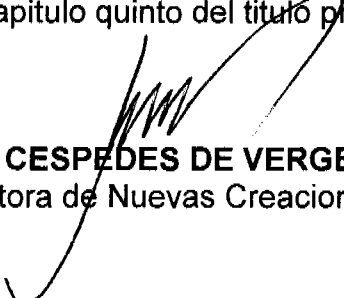
Conclusión:

Los requisitos de patentabilidad de la presente solicitud se encuentran afectados así:

N°	Documento N°	Reivindicaciones Afectadas	Requisito que Afecta
D1	WO9623719	1 a 14	Novedad

En cumplimiento del artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se le indica que debe dar respuesta dentro del término de sesenta días contados a partir de la fecha de notificación de la presente comunicación. En caso de no dar respuesta al presente requerimiento, o si a pesar de la respuesta subsistieran los impedimentos para la concesión, se denegará la patente.

Notifíquese el presente oficio conforme a lo dispuesto en el numeral 5.2 literal e), del capítulo quinto del título primero de la circular única, No. 10 del 2001.


ALIX CESPEDES DE VERGEL
Directora de Nuevas Creaciones (C)

El anterior requerimiento fue notificado por fijación en lista, de fecha

04 JUN. 2010

CONCEPTO TECNICO Numero: 1553	EXAMINADOR TECNICO Código No. 202072
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