

Diego Gonzalez

1) Family number: 20666553 (US5925072A)

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Title: DISPOSABLE ELASTIC THERMAL BACK WRAP

Abstract: The present invention relates to disposable thermal back wraps having one or more thermal packs comprising a plurality of heat cells, wherein heat is applied to specific areas of the user's lower back, for pain relief. More particularly, the present invention relates to disposable elastic thermal back wraps having good conformity to user's back which provides consistent, convenient and comfortable heat application.

Classifications:

International (IPC 8-9): A61F13/08 A61F13/66 A61F5/02 A61F5/37

A61F7/00 A61F7/02 A61F7/03 A61F7/08 (Advanced/Invention);

A61F7/02 A61F7/03 (Advanced/Non-invention);

A61F7/00 A61F7/02 (Core/Invention);

A61F (Subclass/Invention)

International (IPC 1-7): A61F13/66 A61F5/37 A61F7/00 A61F7/03

CPC: A61F7/03 A61F2007/0026 A61F2007/0098 A61F2007/0268

European: A61F7/03 A61F7/04C2 K61F7/00A3J K61F7/00W K61F7/02P

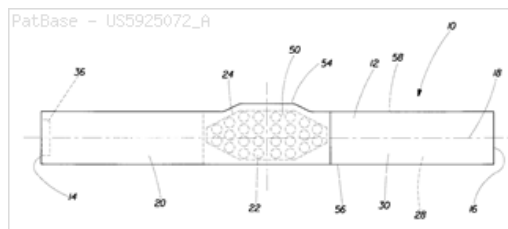
US: 165/46 607/108 607/112 607/114 62/4

JP F-Term: 4C099 4C099/AA01 4C099/CA01 4C099/CA12 4C099/EA09

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4C099/LA07 4C099/LA14

JP F-Index: A61F7/03 A61F7/08/334/N A61F7/08/361/A



Family:

Publication number	Publication date	Application number	Application date
AR014596 AA	20010328	AR1997P106288	19971230
AT269041 E	20040715	AT19970953307T	19971217
AU199857081 A1	19980731	AU19980057081	19971217
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BRPI9714452 A	20000321	BR1997PI14452	19971217
CA2276531 AA	19990630	CA19972276531	19971217
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CL1997002916 A1	19980923	CL19970002916	19971231
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CO4920198 A1	20000529	CO19970075639	19971230
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DE69729585 T2	20050707	DE19976029585T	19971217
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NO993246 A0	19990629	NO19990003246	19990629
NO993246 L	19990830	NO19990003246	19990629
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WO9829065 A1	19980709	WO1997US23411	19971217

Priority:

US19960777830 19961231 US19970984365 19971203 JP19980530103 19971217
JP19980530103T 19971217 WO1997US23411 19971217 CO19970970756 19971230
US19980082348 19980520

Probable Assignee: WYETH

Assignee(s): (std): PROCTER and GAMBLE ; WYETH CORP ; WYETH LLC ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): WYETH ; OUELLETTE WILLIAM ROBERT ; CRAMER RONALD DEAN ; DAVIS LEANE KRISTINE ; DZE PROKTER EHND GEHMBL KOMPANI ; KIMBLE DAWN MICHELE ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY CINCINNATI

Inventor(s): (std): DAVIS L K ; CRAMER R D ; OUELLETTE W R ; MARTINI AMY MICHELLE ; QUELLETTE WILLIAM ROBERT ; DAVIS LEANE KRISTINE ; DEHVIS LIN KRISTIN ; KRAMER RONAL D DIN ; UEHLLETT VIL JAM ROBERT ; KIMBL DON MISHEL ; CRAMER DEAN ; KIMBLE MICHELE ; OUELLETTE ROBERT ; DAVIS KRISTINE ; DAWN MICHELE KIMBLE ; WILLIAM ROBERT OUELLETTE ; RONALD DEAN CRAMER ; KIMBLE DAWN MICHELE ; CRAMER RONALD DEAN ; OUELLETTE WILLIAM ROBERT ; LEANE KRISTINE DAVIS

Inventor(s): KRAMER RONAL'D DIN ; KIMBL DON MISHEL' ; UEHLLETT VIL'JAM ROBERT ; LK DAVIS ; RD CRAMER ; WR OUELLETTE ; L K DAVIS ; R D CRAMER ; W R OUELLETTE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; KIRBY EADES GALE BAKER; HARNECKER; JIMENA ESCOBAR URIBE; SOGA MICHIHARU

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TG TJ TM TR TT UA UG UZ VN YU ZW

2) Family number: 43656225 (CO4700381A)

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Title: ARTICULO ABSORBENTE CON MEJORADOS MARGENES ELASTICOS Y SISTEMA DE CONTENCIÓN ABSORBENT ARTICLE WITH IMPROVED ELASTIC MARGINS AND CONTAINMENT SYSTEM (Machine translation)

Abstract: Source: CO4700381A [ES] 1.- Un artículo absorbente que tiene una dimensión longitudinal, una dimensión transversal lateral, una porción de cinturón frontal, una porción de cinturón trasera y una porción intermedia que interconecta las dichas porciones de cinturón frontal y trasera, dicho artículo que comprende: una capa de hoja trasera que tiene un par de márgenes laterales lateralmente opuestos, cada margen lateral que tiene un contorno de borde lateral terminal, concavo hacia afuera localizado en regiones de abertura de piernas seleccionadas en una porción intermedia de cada uno de los dichos márgenes laterales, cada contorno de borde lateral concavo que tiene una extensión longitudinal seleccionada a lo largo de la dicha dimensión de longitud del dicho artículo; una capa de hoja superior permeable a líquidos conectada en relación de superposición a la dicha capa de hoja trasera. Un cuerpo absorbente interpuesto entre la dicha capa de hoja superior y la dicha capa de hoja trasera; un escudete de piernas fruncido y elasticado, separado, conectado al dicho artículo a lo largo de cada una de las dichas aberturas de piernas seleccionadas, cada escudete de piernas configurado para extenderse más allá y para formar un puente entre porciones opuestas, espaciadas, de un asociado de los dichos contornos bordes laterales concavos de la dicha capa de hoja trasera. **Machine translation:** 1. An absorbent article having a longitudinal dimension, a lateral cross dimension, a front portion of belt, one belt rear portion and an intermediate portion interconnecting said portions of front and rear belt, said article comprising: a layer back sheet having a pair of lateral margins laterally opposed, each side margin having an outline terminal side edge, I concave outward located in opening regions selected legs at an intermediate portion of each of said side margins, each concave side edge contour having a selected longitudinal extent along said length dimension of said article; a layer of liquid permeable topsheet connected in overlying relation to said backsheet layer. An absorbent body interposed between said topsheet layer and said backsheet layer; a gusset shirring and elasticized legs, separately connected to said article along each of the said openings in selected legs, each leg gusset configured to extend beyond and to bridge between opposed, spaced portions of a Associate of said concave side edge contour of said backsheet layer.

Classifications:

International (IPC 8-9): A61F13/15 (Advanced/Invention); A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15

Family:

Publication number	Publication date	Application number	Application date
CO4700381 A1	19981229	CO19960001922	19960118

Priority:

CO19960001922 19960118

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; KIMBERLY CLARK CORP

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): SOSALLA PAULA MARY ; GOSSEN BARBARA ANN ; LAUX DANIEL RICHARD ; LYNN CAROL BRUD ; STEVENS ROBERT ALAN ; NORDNESS CYNTHIA HELEN ; DONALD JOHNSON ERIC ; PROXMIRE DEBORAH LYNN ; LOUIS ROBINSON MARK

Inventor(s): ROBERT ALAN STEVENS ; PAULA MARY SOSALLA ; ROBINSON MARK LOUIS ; DANIEL RICHARD LAUX ; CYNTHIA HELEN NORDNESS ; DEBORAH LYNN PROXMIRE ; CAROL BRUD LYNN ; ERIC DONALD JOHNSON ; BARBARA ANN GOSSEN

Agent(s): RAMIRO CASTRO DUQUE

3) Family number: 17000458 (DE29910218U1)

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Title: Universally applicable containers, packing, aids e.g. for meals/beverages

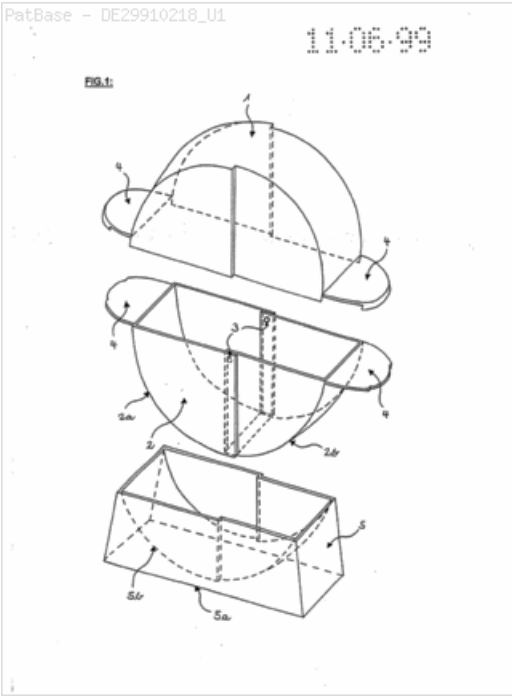
Abstract: Source: DE29910218U1 [DE] (Claim 1) 1. Vorrichtung als Universalbehälter, -verpackung, -hilfsmittel z. B. fuer Speisen/Getraenke, dadurch gekennzeichnet, dass sie ein runder - z. B. kreisrunder, ovaler etc. - Zweiteiler oder Mehrteiler ist, zusammengesetzt aus gleichen oder verschiedenen Winkel-Teilen (Ausschnitten), die einen gemeinsamen Mittelpunkt haben koennen.

Machine translation: (Claim 1) 1 Device as Universalbehälter, packaging, additives such as for food / beverage, characterized in that it is a round - for example circular, oval, etc. - is two-piece or multi-piece, composed of equal parts, or different angles (clippings), which can have a common center.

Classifications:

International (IPC 8-9): A47G21/00 A47J47/14

B65D8/00 (Advanced/Invention);
A47G21/00 A47J47/00 B65D8/00 (Core/Invention)
International (IPC 1-7): A47J41/00 A47J47/14 B65D8/00
CPC: A47G21/001 A47J47/14
European: A47G21/00B A47J47/14



Family:

Publication number	Publication date	Application number	Application date
DE29910218 U1	19991216	DE19992010218U	19990611

Priority:

DE19982010570U 19980612 DE19992001825U 19990126 DE19992010218U 19990611

Probable Assignee: ROTHE BJOERN

Assignee(s): (std): ROTHE BJOERN

4) Family number: 2184064 (DE2445227A1)

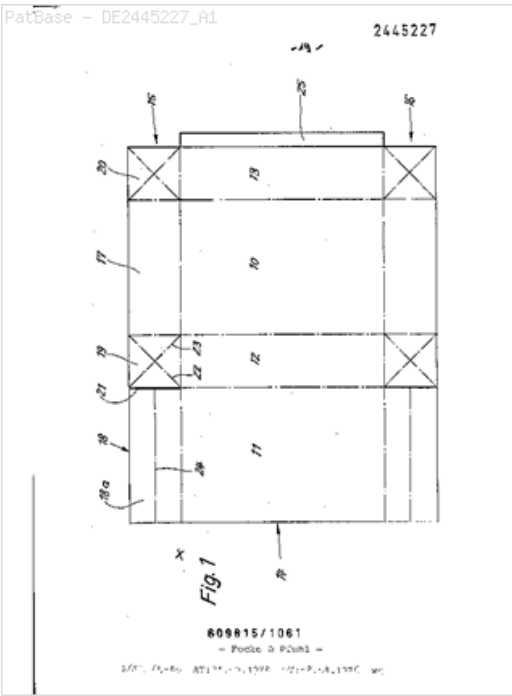
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Title: LAMINATED PACKAGING SHEET - WITH FILM SECTION DIRECTED TOWARDS WELDING TOOL HAVING HIGHER MELTING TEMPERATURE THAN TOOL TEMPERATURE

Abstract: Laminated packaging sheet, esp. for cigarette packets, has at least one layer of thermoplastic resin for the formation of sections for the prodn. of packets by thermal welding, at least the surface region of the film section directed towards the heated welding tool having a melting temp. lying above the temp. of the welding tool. Inner resin layer pref. consists of polyethylene. Enables the weldable sections to be welded without contacting the welding tool, thus avoiding the adherence of resin residues to the tool. Welded sections of better quality are produced.

Classifications:

International (IPC 8-9): B65B51/10 B65D65/40
B65D75/12 (Advanced/Invention);
B65B51/10 B65D65/40 B65D75/04 (Core/Invention)
International (IPC 1-7): B65B51/10 B65D5/0 B65D5/00 B65D65/40
B65D85/10
CPC: B32B15/08 B32B7/12 B32B15/12 B32B15/20 B32B38/0036
B32B2307/31 B32B2553/00 B65B51/10 B65D75/12
European: B65B51/10 B65D75/12



Family:

Publication number	Publication date	Application number	Application date
DE2445227 A1	19760408	DE19742445227	19740921
DE2445227 C2	19841220	DE19742445227	19740921

Priority:

DE19742445227 19740921

Probable Assignee: FOCKE PFUHL VERPACK AUTOMAT**Assignee(s):** (std): FOCKE PFUHL VERPACK AUTOMAT**Assignee(s):** FOCKE AND PFUHL ; FOCKE AND PFUHL 2810 VERDEN DE ; FOCKE AND PFUHL VERPACKUNGSAUTOMATEN SONDERKONSTRUKTIONEN**Inventor(s):** (std): LIEDTKE KURT ; FOCKE HEINZ**Inventor(s):** LIEDTKE KURT 3090 VERDEN DE**5) Family number: 43999933 (WO11030115A2)**

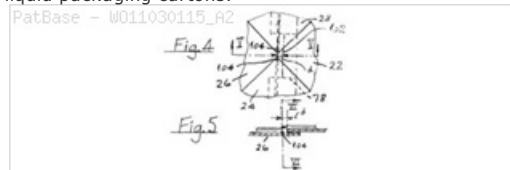
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Title: METHOD AND APPARATUS, A CONTAINER BLANK FOR USE IN THE SAME, AND A CONTAINER PRODUCED THEREFROM

Abstract: The invention is directed to sealing of raw edge portions of packaging sheet material. In one embodiment a J- flap end closure of a carton has, at each of two apices (104) pointing towards each other, two limbs of a hairpin-form cut edge portion of the apex facing each other. The completion of the end closure includes sealing respective sides of those four limbs directly to parts of the stepped-back, inner surface of the outermost sub-panel (26) beyond the J-fold (102). In another embodiment of the invention, the apices (104) are squeezed against those surface parts, preferably with the input of thermal energy to cause the plastics to flow to seal the exposed raw edge portions. In a further embodiment of the invention, sealing fluid, in particular fluid plastics, is applied to the raw edge portions from a supply channel of a profile substantially matching that of the raw edge portion. The invention is particularly applicable to gable-top, slant-top and flat-top liquid packaging cartons.

Classifications:**International (IPC 8-9):** B31B1/28 B31B1/74 B31B3/28 B31B50/28

B65D5/06 B65D5/42 (Advanced/Invention)

CPC: B65D5/4279 B31B50/28 B31B50/742 B65D5/061**European:** B31B1/28 B31B1/74 B31B3/00 B65D5/06B B65D5/42J L31B201/26A L31B201/62

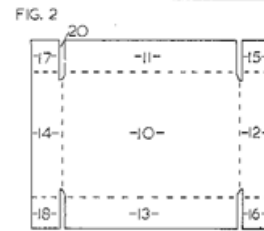
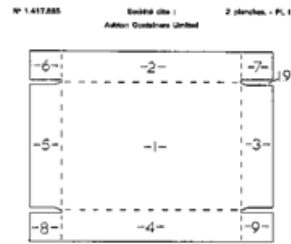
des deux autres parois laterales opposees, entre les extremités des rabats d'angle du couvercle (par exemple entre les extremités des rabats 6 et 8). Les parois laterales du couvercle peuvent avoir la meme hauteur que celle du corps de boite ou bien elles peuvent etre d'une hauteur plus reduite. D'autre part, on peut faire. le couvercle en materiau fibreux plus mince que celui dont est fait le corps de boite, par exemple en carton ayant une epaisseur de 1,5 mm environ. On peut remplacer les rabats d'angle qui viennent d'etre decrits et qui sont representes sur les figures par des rabats d'angle constitues chacun par un petit panneau rectangulaire articule aux et prolongeant les extremités des parois laterales adjacentes, ledit panneau etant incise suivant une diagonale de facon a pouvoir se replier a angle droit pour former un rabat triangulaire qui s'applique, interieurement ou exterieurement, sur la paroi laterale voisine a laquelle il est ensuite fixe. Dans ce cas, le cote de l'angle sur lequel est fixe le rabat triangulaire, est forme de quatre epaisseurs de carton et, bien entendu, l'intervalle d'air est plus important entre le corps de boite et le couvercle, sa largeur etant par exemple d'environ 3,5 mm. Suivant cette variante, on enleve un petit morceau de carton, au voisinage des angles et suivant l'incision diagonale precitee de facon a menager des orifices d'evacuation d'eau aux quatre coins de la boite. Comme les rabats d'angle, pour le corps de boite, sont fixes a l'exterieur des parois laterales de ce corps de boite, les tranches des rabats ne sont pas mouillees par l'eau de fonte de la glace qui s'ecoule dans la boite, grace a quoi l'eau n'a pas tendance a impreter l'interieur du carton. Les passages pour l'air qui existent entre les parois laterales du couvercle et du corps de boite, ameliorent de facon appreciable l'efficacite thermique de la boite. En effet, dans une caisse en bois ordinaire, la glace fond rapidement tandis que, lorsque du poisson est emballe avec de la glace dans une boite conforme a l'invention, la glace demeure sous forme de glace pendant beaucoup plus longtemps, dans les conditions normales, ce qui permet d'amener le poisson a destination dans de meilleures conditions. Les orifices menages dans les coins du fond de la boite laissent echapper l'eau de fonte de la glace. Bien entendu, l'invention n'est nullement limitee aux modes de realisation decrits et representes, elle est susceptible de nombreuses variantes accessibles a l'homme de l'art, suivant les applications envisagees et sans s'ecarter pour cela de l'esprit de l'invention RESUME L'invention a pour objet 10 Une boite, pour le transport de denrees humides, telles que du poisson, dans laquelle le corps de ladite boite comporte un fond rectangulaire pourvu, sur chaque bord, d'un panneau articule adapte a etre replie a angle droit pour former les parois laterales dudit corps, les extremités de deux desdits panneaux lateraux opposés étant pourvues de rabats d'angle articulés adaptés a être repliés pour recouvrir la face extérieure des extremités des panneaux lateraux adjacents et a être fixes a ceux-ci pour former un plateau, et dans laquelle le couvercle de ladite boite est constitue par un plateau analogue au corps de boite, mais de dimensions plus grandes de. facon a pouvoir venir coiffer ledit corps pour constituer une boite fermee, cependant que les rabats d'angle du couvercle sont replies de facon a recouvrir la face interieure des extremités des panneaux lateraux adjacents, grace a quoi il subsiste un intervalle pour le passage de l'air entre. le couvercle et le corps de boite le long d'au moins deux des parois laterales, des orifices d'evacuation d'eau étant en outre prevus. aux quatre coins du fond du corps de boite, ou au voisinage de ces quatre coins; 2" Un mode de realisation d'une boite suivant 1", dans lequel les rabats d'angle du couvercle et du corps de boite sont fixes sur les panneaux lateraux en regard, grace a quoi il existe quatre epaisseurs du materiau en feuille dont est constituee la boite sur l'un des cotes de chaque angle de la boite; 3 Un autre mode de realisation d'une boite suivant 1", dans lequel les rabats d'angle du couvercle et du corps de boite sont fixes sur des parois laterales differentes pour le couvercle et pour le corps, grace a quoi, il existe au moins trois epaisseurs du materiau en feuille dont est constituee la boite sur chaque cote de chaque angle de la boite; 4" Une boite suivant 1", 2" ou 30, dans laquelle les rabats d'angles sont constitues par des languettes adaptees a se replier a angle droit pour recouvrir les extremités des panneaux lateraux adjacents; 5 Un mode de realisation d'une boite suivant 10, 20 ou 30, dans laquelle les rabats d'angle sont constitues par des panneaux incises en diagonale et qui peuvent se replier pour former des onglets triangulaires qui sont ensuite fixes sur les extremités des panneaux lateraux adjacents; 6" Tout flan decoupe, en materiau fibreux en feuille, notamment en carton, pour la fabrication de boites suivant l'un quelconque des paragraphes 1" a 5 du present resume; 7" A titre de produit industriel nouveau, toute boite, notamment pour le transport de denrees humides, presentant, separement ou en combinaison, l'une ou plusieurs des caracteristiques decrites, notamment dans les paragraphes 10 a 50 du present resume. **Machine translation:** [Source: Claim 1] 1. In general, the top of the lid has a rectangular shape, but it can be equal. ment edge. At each of the ends of each of the side walls longer 2 and 4 are articulated corner flaps 6, 7 and 8 can be bent at right angles in a way to bear against the ends of adjacent side walls and the on within them. These flaps are then fixed by gluing or stapling, to the ends of the side walls of way to form a cover having the general form of a tray. The body of the box is made from a similar rectangular panel (fig. 2 and 4), but whose dimensions are slightly smaller. The can body comprises a bottom 10 and four side panels 11 to 14. It is seen from Figure 2 that the corner flaps 15, 16 and 17, 18 are articulated on and extend the two opposite side walls 12 shorter, 14, these flaps then being folded so as to cover the outer face of the adjacent ends of the side walls longer 11, 13, the flaps are then fixed on the ends of the side walls by bonding or stapling. It is seen that to form the corner flap 6 to 9 and 15 to 18 is removed a cardboard strip narrow as 19 or 20, but the strips 20, which are cut in the body box are longer than the strips 19 die cut in the lid, which leaves, when the box body is mounted, the water discharge ports 21 of the four corners of the can body. When putting the lid on the can body, it is seen, according to the embodiment described, three thicknesses of cardboard on each side of each corner of the box closed, more specifically, to one odds these three thicknesses are formed by two side walls 5, 14 and by a corner flap 8. on the other hand, as the flaps of the box body are located on the outside of the side walls, there is an interval of air of about 1.75 mm between the part of the walls of the cover and the part of the walls of the can body which is located between the ends of the corner flaps (for example between the ends of the flaps 16 and 18) and is also a similar air gap along the two other opposite side walls, between the ends of the corner of the lid flaps (for example between the ends of the flaps 6 and 8). The side walls of the lid may have the same height as the can body or may be of a reduced height. On the other hand, one can make. the fibrous material lid thinner than that of which is made the can body, for example cardboard having a thickness of about 1.5 mm. One can replace the corner flaps which have just been described and which are represented in the figures by corner flaps each formed by a small rectangular panel articulated to and extending the ends of the adjacent side walls, said panel being incised following diagonal way to be able to fold at right angles to form a triangular flap that applies, internally or externally, on the neighboring side wall to which it is then fixed. In case if the angle dimension on which is fixed the triangular flap is shaped four thicknesses of cardboard and, of course, the air gap is largest between the can body and the cover, its width being for example about 3.5 mm. According to this variant, it removes a small piece of cardboard near the corners and along the diagonal incision above cited of way has to be struck evacuation of water holes around the box. As the corner flaps, body box are fixed on the outside of the side walls of the box body, the edges of the flaps are not wetted by water from melting ice that will flow through the box, thanks to what water does not tend to impregnate the interior of the carton. The air passages between the side walls of the lid and the can body, better way of appreciable thermal efficiency of the box. Indeed, in an ordinary wooden box, the ice melts quickly, whereas when the fish is packed with ice in a box conforming to the invention, the ice remains in the form of ice for much longer under conditions normal, allowing to bring the fish destination in better conditions. Households holes in the corners of the bottom of the box allow escape melt water ice. Of course, the invention is not limited to the modes of realization described and represented, it is susceptible to many variants is skilled in the art, following the envisaged applications and to depart without it for the spirit of inInvention SUMMARY the invention relates to a box 10, for the transport of moist foods such as fish, wherein the body of said box comprises a rectangular base provided on each side of a panel articulated adapts to be folded at right angles to form the side walls of said body, the ends of two of said panels being provided with lateral opposing corner flaps articulated adapted to be replies to cover the outer face of the adjacent ends of the side panels and being fixed ceux-ci has to form a tray, and wherein the lid of said box is constituted by a tray similar to the can body, but larger dimensions. a way to fit over said body to form a closed box, while the lid corner flaps are replies in a manner covering the inner face of the adjacent ends of the side panels, thanks to which there remains a gap for the passage of air between. the lid and the can body along at least two of the side walls, holes for water evacuation being further provided around the bottom of the can body, or in the vicinity of the four corners; 2 "An embodiment of a next box 1", in which the angle of the flaps of the lid and box body are fixed on the side panels opposite, thanks to which there are four thicknesses of the material sheet which is constituted the box on one of the sides of each corner of the box; 3 Another embodiment of a next box 1", in which the angle of the flaps of the lid and box body are fixed on different lateral walls for cover and body, thanks to which, he exists three thicknesses of sheet material which is constituted in the box on each side of each corner of the box; 4 "a next box 1", 2 "or 30, in which the angles flaps are constituted by tabs has adapted to fold at right angles to cover the ends of adjacent side panels; 5 An embodiment of a box next 10, 20 or 30 wherein the corner flaps are constituted by panels of incised diagonally and can be folded to form triangular tabs which are then fixed on the ends of the panels adjacent lateral; 6 "All flan decoupe, fibrous material sheet, including cardboard for making boxes next to any of paragraphs 1" to 5 of this summary; 7 "As a new industrial product, any box, especially for the transport of wet commodities, presenting, separately or in combination, one or more of the features described, particularly in paragraphs 10 to 50 of this summary.

Classifications:**International (IPC 8-9):** B65D5/28 (Advanced/Invention);

B65D5/20 (Core/Invention)

International (IPC 1-7): B65D5/28**CPC:** B65D5/28**European:** B65D5/28

PatBase - FR1417885_A

**Family:**

Publication number	Publication date	Application number	Application date
FR1417885 A	19651112	FR19640999381	19641221

Priority:

FR19640999381 19641221

Probable Assignee: ASHTON CONTAINERS**Assignee(s):** (std): ASHTON CONTAINERS**Assignee(s):** ASHTON CONTAINERS LIMITED ; ASHTON CONTAINERS LTD**7) Family number: 29574265 (US5795921A)**

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Title: FOAMS MADE FOR HIGH INTERNAL PHASE EMULSIONS USEFUL AS ABSORBENT MEMBERS FOR CATAMENIAL PADS

Abstract: Foams capable of absorbing blood and blood-based fluids, especially menses. These absorbent foams have high capillary absorption pressures required of absorbents used in catamenial products, yet have sufficient openness to allow free movement of the insoluble components in blood-based fluids such as menses. These absorbent foams are made by polymerizing high internal phase emulsions (HIPes) where the volume to weight ratio of the water phase to the oil phase is in the range of from about 20:1 to about 125:1. These foams are particularly useful as absorbent members for catamenial pads.

Classifications:**International (IPC 8-9):** A61F13/00 A61F13/15 A61F13/20 A61F13/42

A61F13/53 A61L15/00 A61L15/16 A61L15/24 A61L15/42 A61L31/04

A61L31/14 C08F2/32 C08F212/12 C08F220/10 C08J9/00

G06F3/038 (Advanced/Invention);

A61F13/00 A61F13/15 A61F13/20 A61L15/00 C08J9/00 (Advanced/Non-invention);

A61F13/00 A61F13/15 A61F13/20 A61L15/00 A61L15/16 A61L31/04

A61L31/14 C08F2/32 C08F212/00 C08F220/00 C08J9/00

G06F3/033 (Core/Invention);

A61F13/15 (Core/Non-invention)

International (IPC 1-7): A61F13/00 A61F13/15 A61F13/20 A61F13/46

A61F13/472 A61F13/53 A61L 15/42 A61L15/00 A61L15/16 A61L15/24

A61L15/42 A61L31/00 B32B3/10 C08F12/08 C08F13/15 C08F13/20

C08F2/32 C08F20/10 C08F212/12 C08F220/10 C08J9/00 C08J9/28

CPC: A61F13/15203 A61F13/47227 A61F13/476 A61F2013/15317

A61F2013/15471 A61L15/24 A61L15/425 A61L31/048 A61L31/146

C08F2/32 Y10T428/24273 Y10T428/24322

European: A61F13/15 A61F13/472B1 A61L15/24 A61L15/42E

A61L31/04H A61L31/14H C08F2/32 K61F13/15J8A3 K61F13/15J8M1

K61F13/476

US: 428/131 428/137 521/146 521/62 521/63 521/64 604/358 604/369

604/385.01 604/385.1 604/387

JP F-Term: 3B200 3B200/AA03 3B200/BA09 3B200/BA01 3B200/BA02

3B200/BA03 3B200/BA14 3B200/BB10 3B200/BB17 3B200/CA11

3B200/CA17 3B200/DA14 3B200/DB01 3B200/DB02 3B200/DB12

3B200/EA01 4C003 4C003/AA23 4C003/AA24 4C003/GA02 4C079 4C081

4C081/AA02 4C081/AA12 4C081/BB01 4C081/BB07 4C081/BB08

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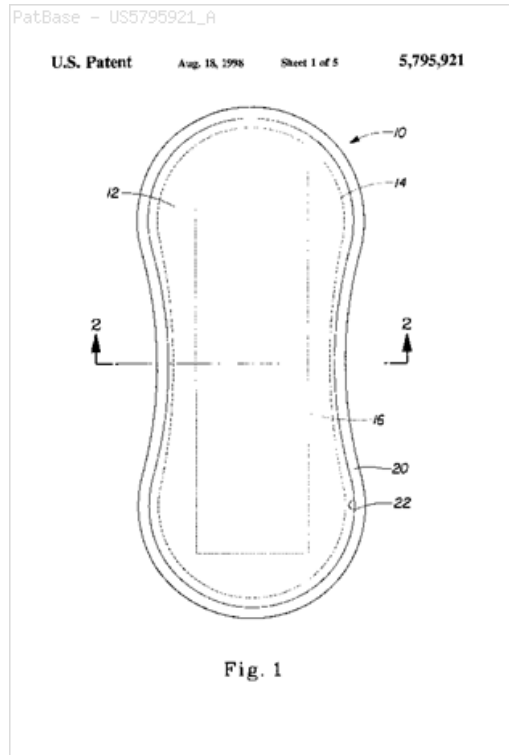
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4F074/AA48 4F074/AA50 4F074/AA52 4F074/AA54 4F074/AA98

4F074/BB28 4F074/BC02 4F074/BC03 4F074/CB31 4F074/CB43
 4F074/CC04 4F074/CC06 4F074/CC28 4F074/CC32 4F074/DA02
 4F074/DA03 4F074/DA08 4F074/DA13 4F074/DA17 4F074/DA24
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JP F-Index: A61F13/00/301/J A61F13/15/100 A61F13/15/320
 A61F13/15/390 A61F13/18/305 A61F13/20/230 A61F13/20/326
 A61F13/36 A61F13/53/100 A61F13/53/300 A61F13/534/100
 A61F13/535/100 A61F13/537/200 A61F13/537/310 A61L15/00
 A61L15/20/100 A61L15/24/100 A61L15/42/310 A61L15/60/100 C08F2/32
 C08F212/12 C08F220/10 C08J9/00/Z A61F13/18/340 A61F13/472/200
 A61F13/472/410 A61F13/535/200 A61F13/472/100



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Publication number	Publication date	Application number	Application date
AR000655 A1	19970710	AR19960334979	19960110
AR000655 AA	19970710	AR19960334979	19960110
AR007712 AA	19991110	AR1997P102961	19970702
AU199648973 A1	19960731	AU19960048973	19960111
AU199649888 A1	19960918	AU19960049888	19960220
AU199733135 A1	19980121	AU19970033135	19970613
AU713687 B2	19991209	AU19960048973	19960111
AU713918 B2	19991216	AU19960049888	19960220
AU726285 B2	20001102	AU19970033135	19970613
BRPI9606735 A	19980113	BR1996PI06735	19960111
BRPI9607698 A	19980707	BR1996PI07698	19960220
BRPI9710133 A	19990810	BR1997PI10133	19970613
CA2208642 AA	19970624	CA19962208642	19960111
CA2208642 C	20040413	CA19962208642	19960111
CA2213263 AA	19970818	CA19962213263	19960220
CA2213263 C	20010626	CA19962213263	19960220
CA2226408 AA	19960718	CA19962226408	19960111
CA2226408 C	20011211	CA19962226408	19960111
CA2259542 AA	19990104	CA19972259542	19970613
CA2259542 C	20030408	CA19972259542	19970613
CL1996000036 A1	19960920	CL19960000036	19960110
CL1997001326 A1	19980319	CL19970001326	19970703
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CN1091449 C	20020925	CN19961092373	19960111
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CN1181003 A	19980506	CN19961093120	19960220
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CO4700310 A1	19981229	CO19960000744	19960110
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CZ218197 A3	19971217	CZ19970002181	19960111
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CZ9702717 A3	19980114	CZ19970002717	19960220
CZ9900016 A3	19990512	CZ19990000016	19970613
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DE69618174 T2	20020822	DE19966018174T	19960111
DE69621005 D1	20020606	DE19966021005	19960220
DE69621005 T2	20021219	DE19966021005T	19960220
DE69709134 D1	20020124	DE19976009134	19970613
DE69709134 T2	20020718	DE19976009134T	19970613
EG21087 A	20001031	EG19960000024	19960110
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EP0812173 B1	20020502	EP19960906543	19960220
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HK1004140 A1	20021025	HK19980103535	19980427
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HK1021310 A1	20021011	HK20000100198	20000112
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HU9904307 AC	20000529	HU19990004307	19970613
ID17766 A	19980122	ID19970002321	19970703
IL127801 A0	20000622	IL19970127801	19970613
IN01702DE1997 A	20160831	IN1997DE01702	19970621
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JP11500940 T2	19990126	JP19960526300T	19960220
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JP3488246 B2	20040119	JP19980504185T	19970613
KR100257434 B1	20000515	KR19970704691	19970709
KR100259731 B1	20000615	KR19970706087	19970901
KR19980701302 A	19980515	KR19970704691	19960111
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MX9705239 A1	19971031	MX19970005239	19960111
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PE79901 A1	20010819	PE20010000545	19970701
PE8797 A1	19970425	PE19960000014	19960123
TH22190 A	19961211	TH19961000605	19960227
TH24063 A	19970312	TH19961000080	19960110
TH31646 A	19990111	TH19971002606	19970701
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TW316443 Y	19970921	TW19960220081U	19960501
TW396821 Y	20000701	TW19990221088U	19970624
TW460302 B	20011021	TW19960106062	19960522
US5795921 A	19980818	US19960688496	19960730
US5849805 A	19981215	US19950542497	19951013
US5873869 A	19990223	US19960675138	19960703
US5899893 A	19990504	US19970955555	19971020
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WO9626699 A3	19961010	WO1996US02251	19960220
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ZA9600134 A	19960730	ZA19960000134	19960109
ZA9601486 A	19960828	ZA19960001486	19960223
ZA9705825 A	19980901	ZA19970005825	19970630

Priority:

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WO1996US00388	19960111	WO1996US02251	19960220	US19960675138	19960703
US19960688496	19960730	WO1997US10607	19970613	US19970955555	19971020

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO THE ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTOR AND GAMBLE COMPANY

Assignee(s): THE PROCTER AND GAMBLE COMPANYUS ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; PROCTOR AND GAMBLE CO ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; DYER JOHN COLLINS ; GAMBLE CO ; HAMMONS JOHN LEE ; LAMPSON PATRICIA LEE ; LLOYD SUSAN NICOLE ; PROCTER AND

Inventor(s): (std): DYER JOHN COLLINS ; HAMMONS JOHN LEE ; LAMPSON PATRICIA LEE ; LLOYD SUSAN N ; HAMMONS JOHN L ; LAMPSON PATRICIA L ; DYER JOHN C ; HAMMONS JOHNM LEE ; LLOYD SUSAN NICOLE ; HAMMONS J L ; LAMPSON P L ; HAMMONS LEE ; LAMPSON LEE ; LEE HAMMONS JOHN ; LEE LAMPSON PATRICIA ; HAMMONDS JOHN LEE ; DYER COLLINS ; LLOYD NICOLE ; PATRICIA L LAMPSON ; JOHN L HAMMONS ; JOHN C DYER ; JOHN LEE HAMMONS ; PL LAMPSON ; PATRICIA LEE LAMPSON ; SUSAN NICOLE LLOYD ; SUSAN N LLOYD ; SUSAN N LLOYD ; JOHN COLLINS DYER ; JL HAMMONS ; NICOLE LLOYD SUSAN ; YER JOHN COLLINS ; LLOYD SUZAN NICOLE

Inventor(s): Patricia Lee ; Lampson ; HAMMONS JOHN LEE DYER JOHN COLLINS ; JOHN COLLINS YER ; P L LAMPSON ; J L HAMMONS ; SUZAN NICOLE LLOYD

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SIM AND MCBURNEY; HARNECKER; JIMENA ESCOBAR URIBE; CARLOS REINALDO OLARTE GARCIA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TJ TM TR TT UA UG UZ VN YU ZW

8) Family number: 17735082 (EP0310578A1)

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Title: TEAR-OPEN CONTAINER, IN PARTICULAR FOR WATERICE OR THE LIKE

Abstract: A tear-open container, in particular for waterice or the like, obtained in a three-dimansional form by means of folding and fastening operations starting from a flat single piece member of an impermeable sheet material, both relatively rigid and relatively flexible.

Classifications:

International (IPC 8-9): B65D3/06 B65D5/00 B65D5/06 B65D85/78 (Advanced/Invention); B65D3/00 B65D5/00 B65D5/02 B65D85/72 (Core/Invention)

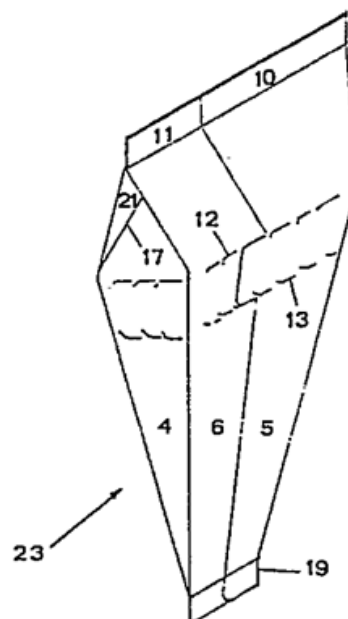
International (IPC 1-7): B65D3/06 B65D5/00 B65D85/78

CPC: B65D3/06 B65D5/008 B65D5/067 B65D85/78

European: B65D3/06 B65D5/00C B65D5/06D B65D85/78

PatBase - EP0310578_A1

FIG. 5



Family:

Publication number	Publication date	Application number	Application date
AT75682 E	19920515	AT19880830399T	19881003
DE3870792 D1	19920611	DE19883870792	19881003
EP0310578 A1	19890405	EP19880830399	19881003
EP0310578 B1	19920506	EP19880830399	19881003
ES2033007 T3	19930301	ES19880830399T	19881003
GR3005384 T3	19930524	GR19920401721T	19920806
IT212669 U	19890723	IT19870036042U	19871001
IT8736042 U0	19871001	IT19870036042U	19871001

Priority:

IT19870036042U 19871001 EP19880830399 19881003

Probable Assignee: SEDA SPA

Assignee(s): (std): SEDA CARTOTECNICA ; SEDA S P A ; SEDA SPA ; CARTOTECNICA SEDA S R L

Assignee(s): CARTOTECNICA SEDA SRL ; SEDA S P A ARZANO IT

Inventor(s): (std): D AMATO ANTONIO

Inventor(s): D AMATO ANTONIO I 80121 NAPOLI NA IT

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

9) Family number: 29991741 (US2002039631A)

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Title: STATIC DISSIPATIVE FABRIC FOR FLEXIBLE CONTAINERS FOR BULK MATERIAL

Abstract: Antistatic fabric for flexible containers for bulk material that includes electrically non-conducting threads and static dissipative, special permanent antistatic threads. The static dissipative, special permanent antistatic threads are made of a thermoplastic synthetic with an additive mixed in that increases the conductivity. The static dissipative, special permanent antistatic thread is shaped like a small band or tape with an approximately rectangular cross-section or a multifilament of very thin filaments.

Classifications:

International (IPC 8-9): B23K26/18 B23K26/24 B23K26/32 B29C65/00

B29C65/16 B65D88/16 D03D15/00 (Advanced/Invention);

B29C35/08 B29C65/00 (Advanced/Non-invention);

B23K26/00 B23K26/18 B29C65/00 B29C65/14 B65D88/00

D03D15/00 (Core/Invention);

B29C35/08 B29C65/00 (Core/Non-invention)

International (IPC 1-7): B29C65/00 B29C65/16 B32B1/02 B32B31/00

B65D30/00 B65D30/04 B65D88/16 D03D1/00 D03D15/00 H05F1/02

CPC: B29C65/1606 B23K26/18 B29C65/1609 B29C65/1616 B29C65/8253

B29C66/73115 B29C66/73116 B29C66/91 B29C66/9592 B29C65/1603

B29C66/9512 B29C66/9513 B29C65/1677 B29C65/1683 B29K2023/06

B29K2023/065 B29K2067/00 B29C65/4815 B29C65/4845 B29C65/4865

B29C65/5057 Y10T428/1362 Y10T428/292 Y10T428/2931 Y10T428/2973

D02G3/441 B65D88/165 D03D15/0005 Y10T442/2418 B29C66/8322

B23K26/244 B29C35/0805 B29C65/1635 B29C65/1654 B29C65/1664

B29C65/1674 B29C65/168 B29C66/112 B29C66/1122 B29C66/135

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B29C66/71 B29C66/729 B29C66/7292 B29C66/73921 B29C66/836

B29C2035/0822 B29C2035/0827 B29K2307/00 B29K2995/0027

B29L2009/00 B29L2031/7126 B65D88/1612 B65D88/1681

European: B23K26/18 B23K26/24B B29C65/16 B29C65/16D4

B29C65/16F2 B29C66/1122 B29C66/43 B29C66/4322 B29C66/45

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L29C35/08B L29C35/08B3 L29C35/08B4 L29C65/16 L29C65/16A2

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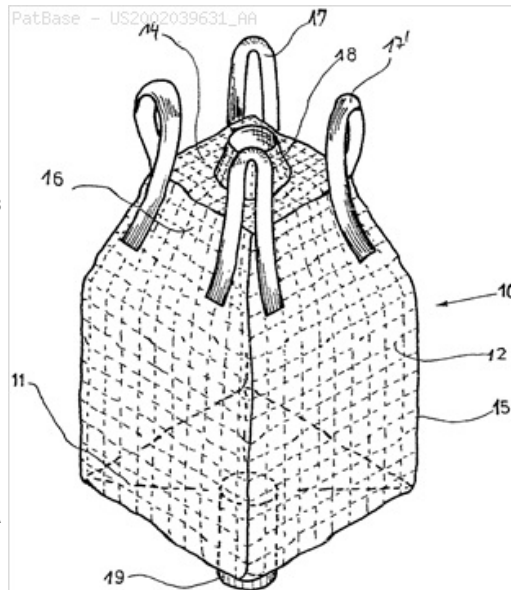
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L29C66/9592 L29K23/06 L29K23/06B9 L29K23/12 L29K307/00 L29K313/00 L29K67/00 L29L31/7126 L29L9/00

US: 139/1R 156/272.8 156/272.800P 383/107 383/109 383/113 383/116 383/117 383/117S 383/121 383/121S 383/24

428/36.1 428/368 428/374 428/397 442/110



Family:

Publication number	Publication date	Application number	Application date
AT256054 E	20031215	AT20010123100T	20010927
AT383937 E	20080215	AT20010123507T	20010929
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DE10048765 A1	20020425	DE20001048765	20000929
DE10048765 C2	20030220	DE20001048765	20000929
DE50101123 D1	20040122	DE20015001123	20010927
DE50113511 D1	20080306	DE20015013511	20010929
DE50116136 D1	20120830	DE20015016136	20011001
EP1197445 A1	20020417	EP20010123100	20010927
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EP1297944 A1	20030402	EP20010123507	20010929
EP1297944 B1	20080116	EP20010123507	20010929
EP1298075 A1	20030402	EP20010123553	20011001
EP1298075 B1	20120711	EP20010123553	20011001
US2002039631 AA	20020404	US20010854394	20010511
US2005000641 AA	20050106	US20040491063	20040709
US2005041893 AA	20050224	US20040491062	20041018
US6572942 BB	20030603	US20010854394	20010511
WO03028983 A2	20030410	WO2002EP10922	20020928
WO03028983 A3	20030912	WO2002EP10922	20020928
WO03029109 A2	20030410	WO2002EP10923	20020928
WO03029109 A3	20030912	WO2002EP10923	20020928

Priority:

DE20001048765 20000929 DE20015001123 20010927 EP20010123507 20010929
EP20010123553 20011001 WO2002EP10922 20020928 WO2002EP10923 20020928

Probable Assignee: EUREA VERPACKUNGS GMBH AND CO KG

Assignee(s): (std): HARTMANN SIEGFRIED ; GLOTZBACH U ; EUREA VERPACKUNG ; EUREA VERPACKUNGS GMBH AND CO ;
WURR EGON ; WOLFF E K ; INST ANGEWANDTE BIOTECHNIK UND ; INST ANGEWANDTE BIOTECHNIK U ;

INST ANGEWANDTE BIOTECHNIK UND SYSTEMANALYSE AN DER UNI WITTEN HERDECKE GMBH ; INST ANGEWANDTE BIOTECHNIK U SYSTEMANALYSE AN DER UNI WITTEN HERDECKE GMBH

Assignee(s): INSTITUT FUER ANGEWANDTE BIOTECHNIK UND SYSTEMANAL ; INSTITUT FUER ANGEWANDTE BIOTECHNIK UND SYSTEMANALYSE AN DER UNIVERSITAET WITTEN HERDECKE GMBH ; INSTITUT FUR ANGEWANDTE BIOTECHNIK UND SYSTEMANALYSE AN DER UNIVERSITAT WITTEN HERDECKE GGMBH ; INSTITUT FUER ANGEWANDTE BIOTECHNIK UND SYSTEMANALYSE AN DER UNIVERSITAET WITTEN HERDECKE GGMBH ; BOYD BRUCE A ; WOLFF EK ; WOLFF E ; EUREA VERPACKUNGS GMBH AND CO KG ; F ANGEWANDTE BIOTECHNIK U SYSTEMANALYSE AN DER UNI ; EUREA VERPACKUNGS GMBH ; F INST ; GREWE STEPHAN ; GREWE ANDREAS ; F ANGEWANDTE BIOTECHNIK U SYSTEMANALYSE AND DER UN ; F ANGEWANDTE BIOTECHNIK U SYSTEMANALYSE AND DER UNIVERSITATET WITTEN HERDECKE GGMBH INST ; F ANGEWANDTE BIOTECHNIK U SYSTEMANALYSE AN DER UNIV WITTEN HERDECKE GGMBH INST ; F ANGEWANDTE BIOTECHNIK U SYSTEMANALYSE AN DER UNIV WITTEN HERDECKE GMBH INST ; F ANGEWANDTE BIOTECHNIK U SYSTEMANALYSE AN DER UNIVERSITATET WITTEN HERDECKE GGMBH INST ; FUR ANGEWANDTE BIOTECHNIK U SYSTEMANALYSE AN DER UNIVERSITAT WITTEN HERDECKE GGMBH INST

Inventor(s): (std): GLOTZBACH U ; BOYD BRUCE A ; GREWE STEPHAN ; GREWE ANDREAS ; GLOTZBADE U DIPL ING ; WOLFF E K ; GLOTZBACH U DIPL ING ; WOLFF E K DR ; WURR EGON DIPL ING ; HARTMANN SIEGFRIED DIPL ING ; WURR EGON ; HARTMANN SIEGFRIED

Inventor(s): WOLFF EK ; BRUCE A BOYD ; STEPHAN GREWE ; ANDREAS GREWE ; EGON WURR ; U GLOTZBACH ; SIEGFRIED HARTMANN ; E K WOLFF ; GLOTZBACH U DIPLING ; WOLFF EK DR ; WOLFF E

Agent(s): PATENTANWALTSKANZLEI TARVENKORN; HOFFMEISTER HELMUT; TARVENKORN OLIVER; KARL F MILDE JR MILDE AND HOFFBERG

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

10) Family number: 73176461 (US2019045956A)

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Title: BEVERAGE CONTAINER PROTECTIVE SLEEVE AND METHODS OF MANUFACTURING

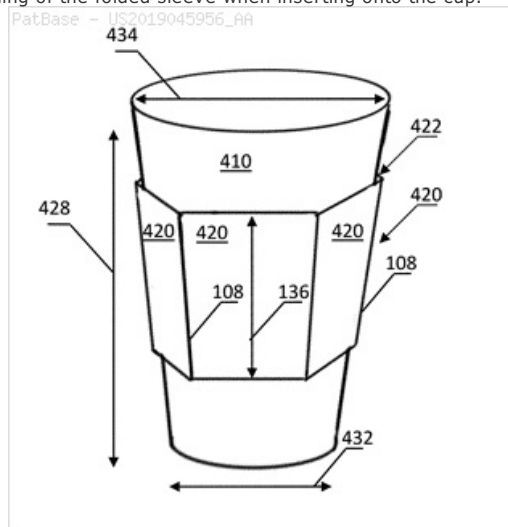
Abstract: Beverage cup thermal sleeve and methods of manufacturing are disclosed. The sleeve is fabricated from a two sided cardboard material and includes a hand protector portion and a cup interfacing portion. The hand protector portion is obtained by scoring the cardboard along multiple grooves thus forming multiple facets. When the sleeve is assembled and installed onto a cup, these facets provide multiple holding surfaces for a hand. The cup interfacing portion is disposed on top of the hand protector portion and includes multiple tabs. The tabs are formed by multiple cuts in the cardboard and folded over along a top edge of the hand protector portion. Adjacent tabs are configured as having different shapes and/or dimensions so as to enable a better contact between the cup and the sleeve and to provide for an easier opening of the folded sleeve when inserting onto the cup.

Classifications:

International (IPC 8-9): A47G23/02 B65D81/38 (Advanced/Invention)

CPC: A47G23/0216 B65D81/3876

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Probable Assignee: ORAZIO JUSTIN ALAN

Assignee(s): (std): ORAZIO JUSTIN ALAN

Inventor(s): (std): ORAZIO JUSTIN ALAN