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Portable Bag, Backpack or Luggage for Storing and Transporting Items

Abstract

The PBL can be constructed utilizing various zipper configurations: one perimeter zipper (A) FIG. 5) (claims 1c, 2, 3) or a 3-way zipper configuration FIG. 1, 2, 3, 4) (Claims 1a, b, c, 2, 3) located on the front exterior storage compartment of the PBL. The 3-way zipper configuration has two independent zippers, one on each side, that run the entire length of each side and top of the front exterior storage compartment. The third middle zipper divides the front compartment from top to bottom, equally dividing the front compartment in halves. The various zipper configurations allows the user to (partially) or fully unzip only the front compartment and independently access or remove either or both internal/external customizable storage compartments, allowing for efficient storage and organization as well as effective and efficient item retrieval. (Claim 1a, b, c, 2, 3)

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Background/Summary

1. FIELD OF THE INVENTION

[0001] i. Travel [0002] ii. School [0003] iii. Lifestyle [0004] iv. Fishing [0005] V. Photography [0006] vi. Sporting (golf, racket sports)

2. DESCRIPTION OF RELATED ART

[0007] Travel bags, Knapsacks, School bags, Backpacks, Multiple Wheeled Suitcases, Carry-on cases, or Bags (going forward called PBL) do not offer the user the ability to easily access stored contents as items are often packed, stored, and located deep within a pocket or storage area, making retrieval cumbersome. Contents often move due to gravity and general movement during transport, making item retrieval even more difficult. When the above situations occur, the user must fully unzip the desired pocket and/or search blindly throughout the entire PBL to find a specific item.

[0008] To solve and address these problems, the claims that this utility patent outline are transferable for multiple PBL designs and can be built into soft or hard outer shell PBL products.

[0009] The claims allow users to efficiently store, organize and retrieve selected items due to the various zipper configurations which can be built into the PBL by utilizing only one perimeter zipper (A), (FIG. 5) (claim 1c, 2, 3) or utilizing the 3-zipper configuration (Claim 1a, b, c, 2, 3), (FIGS. 1, 2, 3, 4) with two side (perimeter) zippers (A and B), and one front/middle zipper (C).

[0010] In combination with the zipper configuration, the user can easily affix storage compartments to the interior of the PBL and individually or in tandem remove the desired individual storage compartment(s) for easy access to stored items. (Claim 3).

[0011] Each individual removable storage compartment contains moveable internal shelves to enable the user to customize PBL storage configurations. (Claim 2).

3. BRIEF SUMMARY OF THE INVENTION

[0012] The PBL can be constructed utilizing various zipper configurations from one perimeter zipper (A), (FIG. 5) (claim 1c, 2, 3) or a three-zipper configuration (Claim 1a, b, c), (FIGS. 1, 2, 3, 4) whereby: two side zippers and one front/middle zipper are constructed into the PBL. Each individual side zipper runs the entire length and top of the PBL (A and B). The third middle zipper (C) divides the front compartment from top to bottom, equally dividing it into halves. Each zipper may have one or two running heads that allow maximum user flexibility, and all the zippers meet at the top of the front compartment. The various zipper configurations allows the user to fully (or partially) unzip only the front compartment, leaving the remainder of the PBL storage areas closed. Completely opening the front compartment enables the user to remove internal storage compartments, which become stand alone, independent, external storage compartments, allowing for efficient storage and organization as well as effective and efficient item retrieval. (Claim 1d) Users can customize the internal storage shelving by utilizing a hook and loop fastener system with eyelet twist lock clasps allowing shelves to be configured to desired locations, spacing and shelf configurations for stored user items. (Claims 2 and 3)

[0013] The eyelet twist lock clasps and internal hook and loop fastener system applications allow the user the ability to securely affix the internal storage compartments to the interior of the PBL so that the storage compartments do not move during transit. (Claim 3)

[0014] The internal storage compartments allow the user the ability to easily store and access items. The user can readily locate where each item is from its secure location knowing the item will not move during transit.

[0015] The removable internal storage compartments can be removed individually and placed on a

counter or tabletop. (Claim 1c). All stored contents remain in place when the storage compartment is placed on a countertop table or flat surface, allowing the user to efficiently locate a desired item for removal. The user no longer must blindly search storage compartments for items that have moved, or in many cases, the user cannot remember which pocket or storage the item was placed. [0016] This will not occur with the internal storage components, as users can readily see where all stored items have been placed.

Description

4. BRIEF DESCRIPTION OF THE DRAWINGS

[0017] Note: All drawings reference a backpack design, but all the claims presented in this application can apply to all products in the Field of Invention or PBL [0018] a) FIG. 1-FIG. 1 [0019] Front and partial side elevation external view of the storage pockets, eyelet twist lock clasps of fully zipped up PBL. (Claim 3) [0020] b) FIG. 2-FIG. 2 [0021] Front elevation external view of the storage pockets with protective zipper flap of fully zipped up PBL. [0022] c) FIG. 3-FIG. 3 [0023] Front elevation with the right-side half of the PBL opened displaying the internal custom-arranged shelves for easy access to items stored in an organized fashion, customized by the user as the internal shelves are moveable. This view also illustrates a fully removed storage compartment that can be placed on a counter or table for easy access to stored items. (Claim 1a, b, c, 2, 3) [0024] d) FIG. 4-FIG. 4 [0025] Front elevation displaying the PBL's 3-way exterior zipper configuration whereby the side zippers fully open the entire length of each side of the PBL. The middle zipper opens the front storage compartment into equal halves. The protective zipper flap protects the zipper travelling heads and teeth and covers the hole where all the zippers meet, preventing the elements (rain/moisture) from entering the PBL. (Claim 1a, b, c) [0026] e) FIG. 5-FIG. 5 [0027] Front elevation illustrating the internal removable customized storage compartment(s) with one perimeter zipper (A) configuration with two traveling heads. (Claim 1a, b, c)

5. DETAILED DESCRIPTION OF THE INVENTION

[0028] a) FIG. 1-FIG. 1: Front and Side Elevation

[0029] Zipper (Zip) 'A' can be a one or two-way zipper configuration with two traveling heads that move between point 1 and 2. The user can completely unzip the entire side and top of the PBL utilizing this zipper. (Claim 1a)

[0030] Zipper 'B' is located opposite Zipper A and can be a one or two-way zipper configuration with two traveling heads that move between point 3 and 4. The user can completely unzip the entire side and top of the PBL utilizing this zipper. (Claim 1b)

[0031] Zipper 'C' can be a one or two-way zipper configuration with two travelling heads that move between point 5 and point 6. The user can completely or partially unzip the front of the compartment, splitting the front compartment in half. The two-way zipper configuration allows the user to unzip from the top (point 6) or the bottom (point 5) as desired, opening the PBL front compartment as much as required. (Claim 1c) [0032] A. Perimeter Zipper traveling along the side of PBL [0033] B. Perimeter Zipper traveling along the side opposite of Zipper A on the PBL [0034] C. Middle Zipper that divides the Front Storage Compartment in half. [0035] 1. Starting point for Zipper A. [0036] 2. Termination point for Zipper A [0037] 3. Starting point for Zipper B [0038] 4. Termination point for Zipper B [0039] 5. Starting point for Zipper C [0040] 6. Termination Point for Zipper C [0041] 19. External pockets exist for added user storage. [0042] 26. Eyelet twist lock clasps (or facsimile) can be the same as 17. [0043] b) FIG. 2-FIG. 2: Front and Side Elevation [0044] 24. This perspective is a front elevation showing the protective zipper flap or cover that protects and covers a hole where zippers A, B and C meet, preventing the internal contents from

exposure to elements like rain.

[0045] **25.** A large compartment lies just beneath the front outermost compartment.

[0046] This compartment houses large items like a laptop, shoes, and clothing. [0047] c) FIG. 3-FIG. 3: Front and Side Elevation with Removed Storage Compartment ·(claim 1c) [0048] **1.** The bottom termination point of zipper 'A' [0049] **2.** The top termination point of zipper 'A' [0050] **3.** The bottom termination point of the zipper 'B' [0051] **4.** The top termination point of zipper 'B' [0052] **5.** The bottom termination point of zipper 'C' [0053] **6.** The top termination point of zipper 'C' [0054] **7.** Shoulder straps to assist in carrying and transporting the backpack on the user's back. [0055] Note: Depending on the design of the PBL, other methods for carrying or pulling the PBL may be employed, like a handle system for a suitcase or carry-on bag. [0056] **8.** The outside external part of the PBL can be a flexible or hard shell depending on manufacture specifications and desired use. [0057] **9.** There is a firm internal divider between Side AA and Side BB that contains clasps and eyelets so the user can affix the two halves of the internal storage compartments, keeping them stationary and stable during transport. (Claim 3) [0058] **10.** The right-side storage compartment has been removed from the PBL, allowing the user to access items stored in the compartment independently of items stored elsewhere in the PBL. (Claim 1d) [0059] **11.** The items stored in the storage compartments are held in place by a mesh or nylon cover that is firmly secured over the stored contents, utilizing a zipper, clasps and eyelets to hold the mesh in place. [0060] a. The zipper that secures the storage compartment's mesh [0061] **12.** The removeable storage compartment can be affixed to the internal body of the backpack (or PBL) for transport or removed and placed on a flat surface like the floor, a countertop or tabletop (etc.) for item storage and retrieval. (Claim 3) [0062] **13.** Fully open the right-side flap, exposing all the contents and shelving of the right-side storage compartment. [0063] **14.** Internal shelves that are adjustable and can be moved to various desired user configurations. The shelves have hook fastener material on the edges, allowing the shelf to securely join with the loop fastener material that lines the internal walls of the storage compartment. (Claim 2) [0064] **15.** Interior wall of the storage compartment lined with loop fastener material. (Claim 2) [0065] **16.** Hook fastener material fixed to the internal storage compartment shelf edge so that the shelf can affixed to the wall of the storage compartment by attaching to the loop fastening material. (Claim 2) [0066] **17.** Male and female clasps used to secure each storage compartment. [0067] **18.** External eyelets and clasps may be visible for esthetic or style reasons but may be covered with a protective flap. [0068] **19.** External pockets for user storage [0069] **20.** Waist belt to assist in securing PBL. [0070] **21.** External hoop to hang bag. [0071] **22.** Potential area for logo and/or trademarking. [0072] **23.** Zipper for large storage compartment just below the outer or front compartment for storing larger items such as a laptop, clothing, or shoes. [0073] d) FIG. 4-FIG. 4: Front Elevation (Claim 1a, b)

[0074] The PBL's 3-way exterior zipper configuration whereby the side zippers 'A' and 'B' fully open the entire length of each side of the PBL. The middle zipper 'C' opens the front storage compartment into equal halves side 'AA' and side 'BB'. The protective zipper flap protects the zipper gliders and covers the hole where all the zippers meet, preventing the elements (rain/moisture) from entering the PBL [0075] e) FIG. 5-FIG. 5: Front Elevation, Single Perimeter Zipper (Claim 1d, 2, 3)

[0076] The single perimeter zipper 'A' has two traveling heads and travels the entire length of both sides and top of the PBL outer storage compartment. The Removable Storage Compartment, Side 'AA' and Side 'BB' are attached to each other and the body of the PBL by utilizing eyelet twist lock clasps (or facsimile) and loop and hook fastener system. (Claim 3) [0077] A. Zipper A is a single zipper (with two traveling heads) that travels along the sides and top of PBL [0078] **11.** Meshing or nylon cover that covers and secures the internally stored items in place [0079] **12.** The Removable Internal Storage Compartment illustrated attached to the body of the PBL and removed from the PBL [0080] **15.** Interior wall lined with loop fastener material [0081] **16.** Hook fastener material attached to shelve edge [0082] **17.** Male and Female clasps (similar/same as **26.**) that

secure the internal, removable storage compartment. [0083] **26.** Eyelet twist lock clasps (or facsimile) can be the same as **17**.

Claims

- 1.** A PBL can be constructed by utilizing various zipper configurations on the front removable storage pocket(s) (FIG. **4**, Side AA and Side BB) which can be one perimeter zipper (A) FIG. **5**), or include a 3-zipper configuration FIG. **1,2,3,4**) allowing the user maximum and optimal item: storage, access, and retrieval efficiency with the ability to independently unsecure and remove internal, customized, item storage compartments from the rest of the PBL, comprised of: a. Side zippers A and B that unzip and zip up the entire perimeter (side and top) of each half of the front storage compartment FIG. **4**) b. Middle zipper C that divides the front storage compartment into two equal halves FIG. **4**) c. Internal, removeable storage compartments that securely affix to the PBL but can also be removed independently from the PBL allowing efficient storage and retrieval of items. FIG. **3**)
 - 2.** Custom internal storage compartment shelving allows users to create various customized internal PBL storage configurations and sizes for stored items. FIG. **3, 5**)
 - 3.** The eyelet twist lock clasps (or facsimile), internal hook, loop fastener system and internal barrier of mesh, nylon (or facsimile) applications allow the user to securely affix the internal storage compartments to the interior of the PBL so that the storage compartments and stored items remain secure and move little, if at all, during transit. FIG. **3**)
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