

#### Search history

Search FT=(WO2016028302 ) (Results 0)

1:

Search PN=(WO2016028302) (Results 1)

2:

Search [SP]: container with folded sidewall a blow-molded container including a finish and a base portion. the finish defines an opening at a first  
3: end of the container that provides access to an internal volume defined by the container. the base portion is at a second end of the  
container opposite to the first end. the base portion includes a fold proximate to a sidewall of the container. (Results 39)

Search FT=((bottle or container) and base and fold\*) (Results 166375)

4:

Search 4 and PD<20140821 (Results 144457)

5:

Search 5 and curve\* (Results 51349)

6:

Search 6 and sidewall (Results 3518)

7:

Search 7 and heel\* (Results 118)

8:

**Title:** HARVESTING MACHINES

**Abstract:** Source: US3345808A [EN] ABSTRACT OF THE DISCLOSURE A harvester having a pair of mowing and crop gathering portions, each of which is maintained, by hydraulic means responsive to the ground surface, at a predetermined distance from the surface of the ground. The portions, which include mowers and reels, are adapted to be **folded** wherein the blades of one reel are brought between the blades of the other reel. The portions are hinged to move both about axes which are parallel to the normal direction of travel and transverse thereto.

**Classifications:**

**International (IPC 8-9):** A01B73/04 A01D34/24 A01D41/02  
A01D41/12 A01D41/14 A01D57/02 A01F12/10 (Advanced/Invention);  
A01B73/00 A01D34/02 A01D41/00 A01D57/00  
A01F12/10 (Core/Invention)

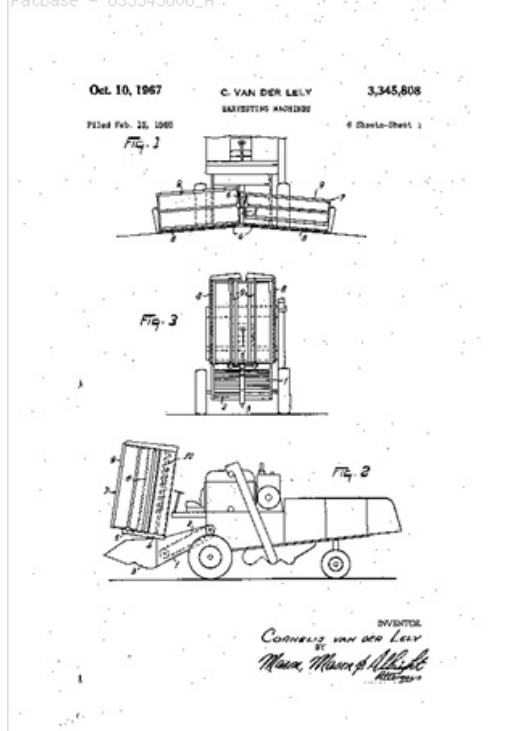
**International (IPC 1-7):** A01B73/04 A01D34/24 A01D41/00  
A01D41/02 A01D41/12

**CPC:** A01D41/144 A01D41/02 A01D41/12 A01D41/142 A01D57/02  
A01F12/10 A01D34/24 A01D41/14 A01B73/042 A01D41/141  
A01D34/246

**European:** A01B73/04 A01B73/04D A01B73/04L A01D34/24  
A01D34/24D A01D41/02 A01D41/12 A01D41/14 A01D41/14B  
A01D41/14D A01D41/14F A01D57/02 A01F12/10

**US:** 56/10.20R 56/10.2R 56/11.9 56/13.6 56/134 56/14.3 56/14.6  
56/15.1 56/16.2 56/2 56/208 56/221 56/228 56/23 56/6

PatBase - US3345808\_A

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AT272727 B         | 19690725         | AT19650001410      | 19650217         |
| BE659763 A         | 19650616         |                    | 19650216         |
| BE664140 A         | 19650916         |                    | 19650519         |
| BE672436 A         | 19660316         |                    | 19651117         |
| BE672623 A         | 19660316         |                    | 19651122         |
| BE684542 A         | 19670113         |                    | 19660725         |
| CH434849 A         | 19670430         | CH19650001990      | 19650215         |
| DE1482896 A1       | 19691204         | DE1965T028024      | 19650220         |
| DE1482896 B2       | 19731011         | DE1965T028024      | 19650220         |
| DE1482896 C3       | 19781221         | DE1965T028024      | 19650220         |
| DE1482897 A1       | 19691211         | DE19651482897      | 19650220         |
| DE1482903 A1       | 19691009         | DE19651482903      | 19650529         |
| DE1482905 A1       | 19691120         | DE19651482905      | 19650529         |
| DE1482912 A1       | 19691009         | DE19651482912      | 19650805         |
| DE1482912 B2       | 19740516         | DE19651482912      | 19650805         |
| DE1482912 C3       | 19750102         | DE19651482912      | 19650805         |
| DE1482921 A1       | 19691023         | DE19651482921      | 19651124         |
| DE1482922 A1       | 19691009         | DE19651482922      | 19651124         |
| DE1482922 B2       | 19740516         | DE19651482922      | 19651124         |
| DE1482922 C3       | 19750102         | DE19651482922      | 19651124         |
| DE1482923 A1       | 19691023         | DE19651482923      | 19651124         |
| DE1482929 A1       | 19691204         | DE1965T029839      | 19651124         |
| DE1482929 B2       | 19771103         | DE1965T029839      | 19651124         |
| DE1482929 C3       | 19780622         | DE1965T029839      | 19651124         |
| DE1482930 A1       | 19691120         | DE19651482930      | 19651124         |
| DE1482930 B2       | 19740509         | DE19651482930      | 19651124         |
| DE1507401 A1       | 19691218         | DE19661507401      | 19660730         |
| DE1757390 A1       | 19710513         | DE19651757390      | 19650220         |
| DE1782844 A1       | 19740801         | DE19651782844      | 19650529         |
| DK113327 B         | 19690310         | DK19650001007      | 19650226         |
| ES310183 A1        | 19651201         | ES19650310183      | 19650225         |
| FI43652 B          | 19710201         | FI19650000461      | 19650225         |
| FR1455702 A        | 19660401         | FR19650040548      | 19651202         |
| FR1483739 A        | 19670609         | FR19650039694      | 19651125         |
| GB1096137 A        | 19671220         | GB19650033250      | 19650803         |
| GB1096138 A        | 19671220         | GB19670013571      | 19650803         |
| GB1096139 A        | 19671220         | GB19670013582      | 19650803         |
| GB1096140 A        | 19671220         | GB19670013583      | 19650803         |

|             |          |               |          |
|-------------|----------|---------------|----------|
| GB1106002 A | 19680313 | GB19650006715 | 19650226 |
| GB1106003 A | 19680313 | GB19670046903 | 19650226 |
| GB1113334 A | 19680515 | GB19650021511 | 19650520 |
| GB1113335 A | 19680515 | GB19660014418 | 19650520 |
| GB1113336 A | 19680515 | GB19660014419 | 19650520 |
| GB1113337 A | 19680515 | GB19660014420 | 19650520 |
| GB1133086 A | 19681106 | GB19650048936 | 19651117 |
| GB1133087 A | 19681106 | GB19650048937 | 19651117 |
| GB1133088 A | 19681106 | GB19650048938 | 19651117 |
| GB1133089 A | 19681106 | GB19650048939 | 19651117 |
| GB1133090 A | 19681106 | GB19670037879 | 19651117 |
| GB1135046 A | 19681127 | GB19650051068 | 19651201 |
| GB1135047 A | 19681127 | GB19670035389 | 19651201 |
| GB1152204 A | 19690514 | GB19660033839 | 19660727 |
| GB1152205 A | 19690514 | GB19680021888 | 19660727 |
| GB1152206 A | 19690514 | GB19680021889 | 19660727 |
| GB1152207 A | 19690514 | GB19680021890 | 19660727 |
| NL151882 B  | 19770117 | NL19720012210 | 19720908 |
| NL6401807 A | 19650827 | NL19640001807 | 19640226 |
| NL6406213 A | 19651206 | NL19640006213 | 19640603 |
| NL6409364 A | 19660215 | NL19640009364 | 19640814 |
| NL6413779 A | 19660531 | NL19640013779 | 19641127 |
| NL6414183 A | 19660606 | NL19640014183 | 19641205 |
| NL6510317 A | 19670210 | NL19650010317 | 19650809 |
| NL6513871 A | 19670428 | NL19650013871 | 19651027 |
| NL7212210 A | 19721127 | NL19720012210 | 19720908 |
| NO120247 B  | 19700921 | NO19650156919 | 19650225 |
| SE308221 B  | 19690203 | SE19650002428 | 19650225 |
| US3345808 A | 19671010 | US19650432461 | 19650215 |
| US3468107 A | 19690923 | US19650517203 | 19651123 |
| US3478499 A | 19691118 | US19650460130 | 19650601 |
| US3503190 A | 19700331 | US19650517199 | 19651117 |

**Priority:**

|                        |                        |                        |
|------------------------|------------------------|------------------------|
| GB19660033839 19660727 | NL19640001807 19640226 | NL19640013779 19641127 |
| NL19640006213 19640603 | NL19640009364 19640814 | NL19640014183 19641205 |
| NL19650010317 19650809 | NL19720012210 19720908 | NL19650013871 19651027 |

**Probable Assignee:** TEXAS INDUSTRIES INC

**Assignee(s):** (std): LELY C VAN D NV ; TEXAS IND INC ; TEXAS IND INC 62 1152204 ; TEXAS IND INC WILLEMSTAD NEDERLANDSE ANTIL ; TEXAS INDUSTRIES INC

**Assignee(s):** TEXAS IND INC WILLEMSTAD CURACAO NIEDERLAN ; CORNELIS VAN D LELY ; TEXAS IND INC WILLEMSTAD NEDERLANDSE ANTILL ; TEXAS IND INC WILLEMSTAD CURACAO NIEDERLANDE ; TEXAS IND INC WILLEMSTAD NEDERLANDSE ANTILLEN ; TEXAS IND INC WILLEMSTAD CURACAO NIEDERLAE ; TEXAS IND INC WILLEMSTAD CURACAO NIEDERLAENDISCHE ANTILLEN

**Inventor(s):** (std): DER LELY C VAN ; DER LELY CORNELIS VAN ; JAMES MARSHALL ALAN ; LELY C VAN D ; LELY CORNELIS VAN D ; LELY CORNELIS VAN DER ; LELY CORNELIUS VAN D ; VAN DER LELY C

**Inventor(s):** LELY CORNELIUS VAN D ZUG SCHWEIZ ; LELY CORNELIUS VAN DER ZUG SCHWEIZ ; LELY CORNELIS VAN DER ZUG SCHWEIZ ; CORNELIS VAN D LELY ; CORNELIS VAN DER LELY ; LELY CORNELIS VAN D ZUG SCHWEIZ

Title: TREATING SEWAGE

**Abstract:** Source: US2202135A [EN] 1. A holder for supporting the handles of plastic grocery bags in the palm of a human hand, said holder comprising a flat generally elongated **base** having laterally opposed side edges and opposed upper and lower flat surfaces, a pair of flat **sidewalls** having opposed outer and inner surfaces upstanding from and connected to the **base** side edges, said **base** of a lateral extent so as to enable said holder to be grasped by the cupped configuration of the palm of a human hand such that one **base** side edge is disposed along the fleshy pads where the fingers of a human hand connect to the palm thereof and the other **base** side edge is disposed along the palm crease located generally along the knuckle line of the human hand and wherein the outer surfaces of said **sidewalls** respectively contact the **heel** of the thumb and the inner surfaces of the fingers of a human hand and wherein the upper surfaces of said **base** and said **sidewalls** form a recess for supporting the handles of plastic grocery bags, said **base** comprising, a flat member having a generally circular peripheral edge formed from thin stiff paperboard stock and having upper and lower opposed surfaces, a pair of laterally opposed generally parallel longitudinally extending chordal recesses die punch formed into the lower surface thereof to form weakened lines along said lower surface recesses and bunched material lines along those portions of the upper surface superposed with respect to said recesses, said recesses defining said flat generally elongated **base** and said pair of flat **sidewalls** on either side thereof such that the **sidewalls** may be upwardly rotated about said **base** to an upright position generally normal to said **base** wherein said **base** upper surface is disposed upwardly and said rotation facilitated by said weakened lines and simultaneously resisted by said bunched material lines such that the **sidewalls** resist flattening contact with each other so as to resist creasing and maintain the flat configuration of said **base**.

**Classifications:**

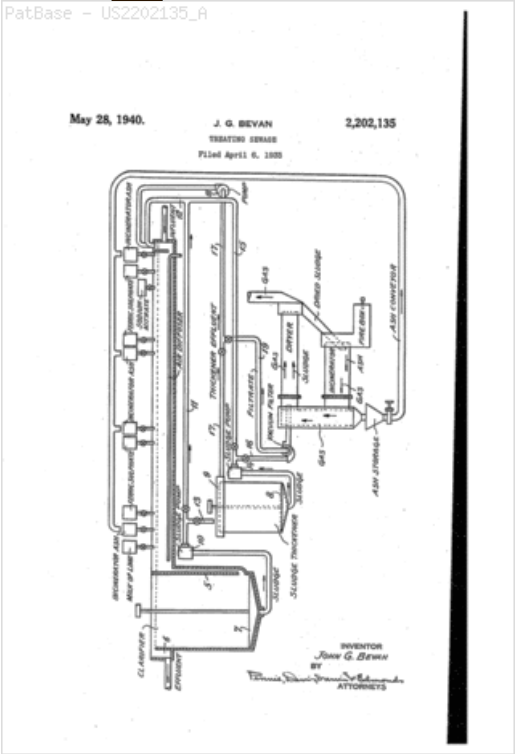
**International (IPC 8-9):** C02F1/52 (Advanced/Invention);

C02F1/52 (Core/Invention)

**CPC:** C02F1/5236

**European:** C02F1/52F

**US:** 210/702



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2202135 A        | 19400528         | US19350015011      | 19350406         |

**Priority:**

US19350015011 19350406

**Probable Assignee:**

GUGGENHEIM BROTHERS

**Assignee(s):** (std):

GUGGENHEIM BROTHERS

**Inventor(s):** (std):

BEVAN JOHN G

**Title:** VEHICLE CARRYING RAIL ROAD CAR

**Abstract:** Source: US2004007151A [EN] A rail road car has a deck for carrying wheeled vehicles. The rail road car can be coupled to other rail road cars of the same type. Bridge plates are provide that permit wheeled vehicles to be conducted between adjacent rail road cars. The bridge plates have one end mounted to the rail road car at a pivot fitting. The pivot fitting allows the bridge plate to be moved from a length-wise position spanning the gap between cars, to a cross-wise stowed position. The bridge plates have fittings which permit three degrees of freedom relative to the adjacent rail road cars, namely a first degree of freedom to tolerate yawing motion of the first rail road car, a second degree of freedom to accommodate yawing motion of the second rail road car, and a third degree of freedom to accommodate variation in distance between the respective portions of the rail road cars to which the bridge plate is mounted while the rail road cars are moving.

**Classifications:**

**International (IPC 8-9):** B01D53/14 B61D17/00 B61D17/20

B61D3/18 B61G5/02 C01B17/05 (Advanced/Invention);

B60P3/07 (Advanced/Non-invention);

B01D53/14 B61D17/00 B61D17/04 B61D3/00 B61G5/00 C01B17/00 (Core/Invention);

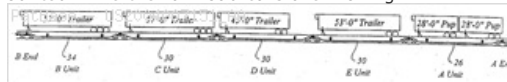
B60P3/06 (Core/Non-invention)

**International (IPC 1-7):** B61C17/04 B61D17/00 B61D17/20 B61D3/18 B61D49/00 B61G5/02 B61K13/00 C01B17/04

**CPC:** B61D3/184 B01D53/1412 B01D53/1425 B01D53/1468 C01B17/05 B61D3/187

**European:** B01D53/14C B01D53/14E B01D53/14H4 B61D3/18B2 B61D3/18C C01B17/05

**US:** 105/404 105/458 423/514 423/573.1 423/576.4 423/576.5 423/576.6 423/576.8



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CA2317315 AA       | 20020228         | CA20002317315      | 20000830         |
| CA2317315 C        | 20080506         | CA20002317315      | 20000830         |
| US2004007151 AA    | 20040115         | US20030406642      | 20030401         |
| US6539878 BA       | 20030401         | US20000651544      | 20000829         |
| US6550400 BA       | 20030422         | US20000650500      | 20000829         |
| US6558646 BA       | 20030506         | US20000651144      | 20000830         |
| US6857376 BB       | 20050222         | US20030406642      | 20030401         |

**Priority:**

CA20002317315 20000830 US20000650500 20000829 US20000651144 20000830

US20030406642 20030401 US20000651544 20000829

**Probable Assignee:** NATIONAL STEEL CAR LTD

**Assignee(s):** (std): TOSCO CORP ; NAT STEEL CAR LTD

**Assignee(s):** NATIONAL STEEL CAR LTD ; TRILON BANCORP INC ; WIRELESS FACILITIES INC ; NSCL TRUST BY ITS TRUSTEE 2327303 ONTARIO INC ; KEYBANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; BANK OF NOVA SCOTIA ; BRIDGE BANK NATIONAL ASSOCIATION ; COSLOVI ILARIO A ; FORBES JAMES W ; GREYPOINT CAPITAL INC ; KEYBANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; KEYBANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT

**Inventor(s):** (std): BRINKMAN RONALD C ; COSLOVI HARIO A ; COSLOVI ILARIO A ; FORBES JAMES W ; HARMON MARLEA

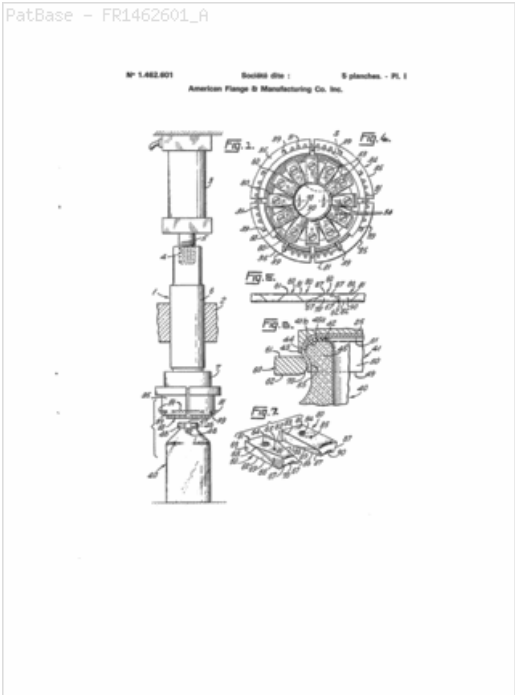
**Agent(s):** BERESKIN AND PARR LLP SENCRL SRL; HAHN LOESER AND PARKS LLP; MICHAEL H

**Title:** PROCEDE ET APPAREILS PERFECTIONNES DE SERTISSAGE DE CAPSULES SUR DES OUVERTURES DE RECIPIENTS  
METHOD AND APPARATUS FOR IMPROVED CRIMP CAPSULES ON **CONTAINER** OPENINGS (Machine translation)

**Abstract:** Source: FR1462601A [FR] (Claim 1) 1. Un procede pour fixer une capsule de fermeture comportant un sommet en forme de disque, qui se prolonge vers le bas par une paroi laterale pratiquement cylindrique, a une ouverture borde'e par un col cylindrique presentant un bourrelet arrondi s'etendant vers l'exterieur a son extremite exterieure, en placant ladite capsule au-dessus dudit bourrelet, ladite paroi laterale s'abaissant le long dudit bourrelet et sous celui-ci, ladite capsule etant pousse'e vers le 'bas, cependant qu'une pression est appliquee contre la partie inferieure annulaire de ladite paroi laterale pour repousser celle-ci radialement vers l'interieur, procede caracterise en ce que l'on applique cette pression au moyen d'un certain nombre de sections de formage separees dont chacune comporte une partie recouvrant une partie de la section de formage voisine dans le sens horizontal.

**Machine translation:** (Claim 1) 1. A method for attaching a closure cap having a top disc-shaped, which extends towards the bottom by a substantially cylindrical side wall, has an opening bordered by a cylindrical neck presenting a rounded bead extending outwardly his outer end, by placing said cap over said bead, said **sidewall** bead along said lowering and below it, said cap being pushed to the 'low, while a pressure is applied against the lower part annular of said side wall to push it radially inwardly, the method characterized in that this pressure is applied by means of a number of sections separated forming each of which has a portion overlying a portion of the section forming region in the horizontal direction.

**Classifications:**  
**International (IPC 8-9):** B67B3/14 (Advanced/Invention);  
B67B3/00 (Core/Invention)  
**CPC:** B67B3/14  
**European:** 64B23D2B B67B3/14



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR1462601 A        | 19660415         | FR19650042966      | 19651220         |

**Priority:**

FR19650042966 19651220

**Probable Assignee:** AMERICAN FLANGE AND MFG

**Assignee(s):** (std): AMERICAN FLANGE AND MFG

**Assignee(s):** AMERICAN FLANGE AND MFG CO ; AMERICAN FLANGE AND MANUFACTURING CO ; AMERICAN FLANGE AND MANUFACTURING CO INC

**US:** 424/484 424/484S 424/486 424/486P 514/449 514/449S

**Title:** TREATMENT OF AUTOIMMUNE DISEASES BY ORAL ADMINISTRATION OF AUTOANTIGENS

**Abstract:** Source: US2005208061A [EN] The invention is directed to a method of treating a T cell-mediated autoimmune disease in animals, including humans, by the oral or enteral administration of autoantigens, fragments of autoantigens, or analogs structurally related to those autoantigens, which are specific for the particular autoimmune disease. The method of the invention includes both prophylactic and therapeutic measures.

**Classifications:**

**International (IPC 8-9):** A61K38/17 A61K38/22 A61K38/26  
A61K38/28 A61K38/39 A61K39/00 A61P27/02 A61P29/00 A61P3/08  
A61P3/10 A61P37/00 B65C3/14 B65C9/18 B65C9/36  
C07K14/47 (Advanced/Invention);  
A61K38/00 A61K38/11 (Advanced/Non-invention);  
A61K38/17 A61K38/22 A61K38/26 A61K38/28 A61K38/39 A61P27/00  
A61P29/00 A61P3/00 A61P37/00 B65C3/00 B65C9/08 B65C9/26  
C07K14/435 (Core/Invention);  
A61K38/00 A61K38/10 (Core/Non-invention)

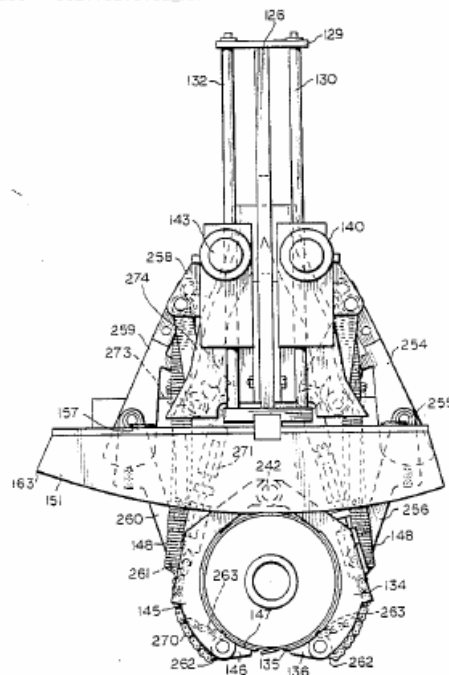
**International (IPC 1-7):** A61K39/00 B65C3/00

**CPC:** A61K38/1709 A61K38/26 A61K38/28 A61K38/39 A61K39/0008  
C07K14/4713 B65C9/1826 B65C3/14 B65C9/36 Y10T156/1339  
Y10T156/1793

**European:** A61K38/17A2 A61K38/26 A61K38/28 A61K38/39  
A61K39/00D4 B65C3/14 B65C9/18A4C B65C9/36 C07K14/47A5  
K61K38/00 K61K38/11

**US:** 156/481 156/488 156/491 156/492 156/521 156/576 156/583.3  
424/184.1 424/184.100P

PatBase - US2005208061\_AA



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2005208061 AA    | 20050922         | US20050090321      | 20050325         |
| US4980014 A        | 19901225         | US19890454486      | 19891221         |

**Priority:**

US19890454486 19891221 US19900460852 19900221 US19950469492 19950606  
US19920843752 19920228 US20030639286 20030811 US19950472017 19950606  
US20050090321 20050325

**Probable Assignee:** OWENS BROCKWAY GLASS CONTAINER INC

**Assignee(s):** (std): AL SABBAGH AHMAD ; MILLER ARIEL ; OWENS BROCKWAY GLASS CONTAINER ; WEINER HOWARD ; ZHANG ZHENGYI

**Assignee(s):** OWENS BROCKWAY GLASS CONTAINER INC ; OWENS ILLINOIS GLASS CONTAINER INC

**Inventor(s):** (std): DIFRANK FRANK J ; GARNES RICHARD H ; ZHANG ZHENGYI ; WEINER HOWARD ; MILLER ARIEL ; AL SABBAGH AHMAD

**Agent(s):** DARBY AND DARBY PC

**Title:** SKICASE AND COOPERATING HOLDERS

**Abstract:** Source: US5160075A [EN] A compact case for retaining a pair of skis and a pair of ski poles has two internal open-ended pockets which retain skis in side-by-side reversed orientations with their bindings nested. Mechanisms are secured to the case between the pockets to engage the bindings of the skis to prevent displacement along the pockets, and structures bear on the skis when the case is closed to press the skis into the pockets. Sets of clips retain the poles in spaced-apart planes located between the skis. The poles are oriented in a compressed X configuration (in side view) crossing over proximate to the bindings of the skis with their basket-bearing ends directed inwardly into the space between the skis and with the handle of each pole inset longitudinally from both the handle and the basket of the other pole. The exterior of the case is molded with forward and rear sets of parallel alternating grooves and ribs. Holders with complementary sets of grooves and ribs are adapted to be mounted on a vehicle roof rack and to receive two such case in side-by-side relationship. The sets of grooves and ribs of the holders and cases are interlocked to prevent displacement of the case relative to the vehicle.

**Classifications:**

**International (IPC 8-9):** A63C11/02 B60R9/055

B60R9/12 (Advanced/Invention);

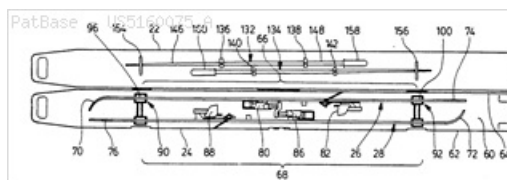
A63C11/00 B60R9/00 (Core/Invention)

**International (IPC 1-7):** A63C11/00 A63C11/02 B60R9/12

**CPC:** Y10T16/50 B60R9/055 A63C11/026 B60R9/12

**European:** A63C11/02B2A B60R9/055 B60R9/12

**US:** 16/112 16/115 16/438 206/315.1 206/591 224/328 224/917 224/917.5 280/814 294/147

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199174874 A1     | 19911021         | AU19910074874      | 19910319         |
| CA2012937 AA       | 19910923         | CA19902012937      | 19900323         |
| EP0474816 A1       | 19920318         | EP19910906366      | 19910319         |
| JP4506170 T2       | 19921029         | JP19910505633T     | 19910319         |
| US5160075 A        | 19921103         | US19900570208      | 19900820         |
| WO9114485 A1       | 19911003         | WO1991CA00088      | 19910319         |

**Priority:**

CA19900012937 19900323

CA19902012937 19900323

WO1991CA00088 19910319

US19900570208 19900820

**Probable Assignee:** EDI IND LTD

**Assignee(s):** (std): EDI IND LTD

**Assignee(s):** EDI INDUSTRIES LTD ; MOSCOVITCH JERRY ; EDI IND

**Inventor(s):** (std): MOSCOVITCH JERRY

**Inventor(s):** JERRY MOSCOVITCH

**Agent(s):** WARAKSA MIREK A

**Designated states:** AT AU BE CH DE DK ES FR GB GR IT JP LI LU NL NO SE

**Title:** Miniature inflatable containment and dry-water-entry vessels

**Abstract:** Source: US4342278A [EN] The miniboats introduced in my U.S. Pat. 4,090,270 were basically novel in configuration, method of construction, ease of boarding by a swimmer, flotation effectiveness relative to lightness and compactness when stowed, degree of hypothermia protection achieved, and security in wind and water far beyond the capabilities of comparable pneumatic craft of traditional design; but they were not well adapted for entry by persons desiring to board them without a wetting. The vessels disclosed herein have overcome that problem. They have structurally integrated decks with dry-access openings that provide twice the retained buoyancy, a barrier to wave influx over the gunwales, an inherent self-righting capability, unprecedented storm security, ride stability, and magnified hypothermia protection. Some have integral leg articulation and propulsion and/or vessel-integrated suspension system for retarding descent to water from high elevations, auxiliary propulsion provisions, etc. Models sharing design characteristics of these life-support craft are highly adapted for expansion of seasonal, latitude, and ambulatory opportunity for scientific work and for recreation. Their diminutive weight and bulk enable transport to shores and banks that become inaccessible when carrying watercraft of greater weight and bulk and lesser portageability, seaworthiness, and wide-spectrum protective capability.

**Classifications:**

**International (IPC 8-9):** B63B7/08 B63C9/02

B63C9/08 (Advanced/Invention);

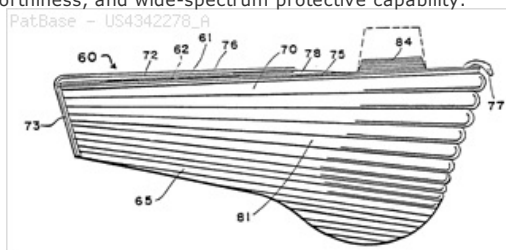
B63B7/00 B63C9/00 (Core/Invention)

**International (IPC 1-7):** B63B7/08 B63C9/02 B63C9/08 B63C9/12

**CPC:** B63B7/08 B63C9/02 B63C9/065 B63C2009/042

**European:** B63B7/08 B63C9/02 L63C9/04B L63C9/06A

**US:** 114/345 114/349 441/102 441/87



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| EP0063138 A1       | 19821027         | EP19810902915      | 19811015         |
| EP0063138 A4       | 19840109         | EP19810902915      | 19811015         |
| JP57501572 T2      | 19820902         | JP19810503468T     | 19811015         |
| US4342278 A        | 19820803         | US19800197321      | 19801015         |
| WO8201358 A1       | 19820429         | WO1981US01390      | 19811015         |

**Priority:**

US19800197321 19801015

**Probable Assignee:**

HORAN JOHN J

**Assignee(s):** (std):

HORAN JOHN J

**Inventor(s):** (std):

HORAN JOHN J

**Designated states:**

AT CH DE FR GB JP LU NL SE

**Title:** SILK POWDER COMPACTION FOR PRODUCTION OF CONSTRUCTS WITH HIGH MECHANICAL STRENGTH AND STIFFNESS

**Abstract:** Source: US2015174256A [EN] The present disclosure relates generally to compositions and methods for production of three-dimensional constructs with high mechanical strength and/or stiffness.

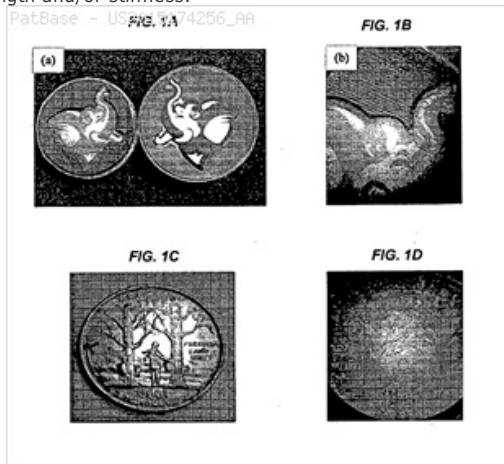
**Classifications:**

**International (IPC 8-9):** A61F2/02 A61F2/82 A61K47/42 A61L27/20

A61L27/22 A61L31/04 B30B9/28 (Advanced/Invention)

**CPC:** A43B1/06 A43B13/02 A43B23/0205 A43B23/0225 A61L27/3604 A61L27/50 A61K47/42 A61L31/047 B30B9/28 A43B1/02 Y10T29/49

**US:** 264/28 29/592 424/172.1 424/443 514/773 530/353



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2015174256 AA    | 20150625         | US20130414245      | 20130715         |
| WO14012101 A1      | 20140116         | WO2013US50520      | 20130715         |

**Priority:**

US20120671375P 20120713      US20130414245 20130715      WO2013US50520 20130715

**Probable Assignee:** TRUSTEES OF TUFTS COLLEGE

**Assignee(s):** (std): TUFTS COLLEGE

**Assignee(s):** NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; TRUSTEES OF TUFTS COLLEGE

**Inventor(s):** (std): FRIEDMAN ROSARIO ; KAPLAN DAVID L ; LEISK GARY G ; LO TIM JIA CHING ; OMENETTO FIORENZO ; PARTLOW BENJAMIN

**Agent(s):** RESNICK DAVID S ET AL

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

**Title:** PORTABLE SHAMPOO SINK

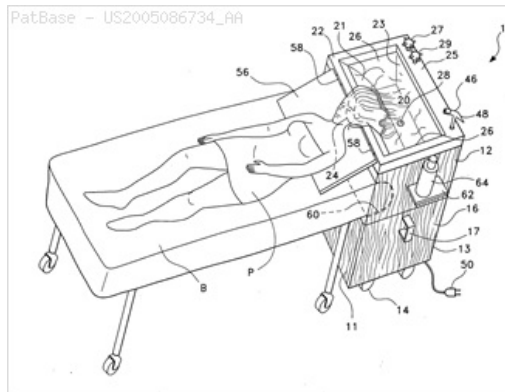
**Abstract:** Source: US2005086734A [EN] The portable shampoo sink is a sterilizable apparatus that permits bedridden individuals to have their hair shampooed while lying down. The apparatus may be used in a hospital or at home. A rolling cabinet on wheels has a sink shaped with a semicircular depression for receiving the neck or head of the individual. The cabinet stores both hot and cold water in tanks disposed within the cabinet. A motorized heater heats the water in one tank. Water is pumped up to a spray nozzle via a flexible conduit as controlled by a control on the sprayer and hot and cold water spigots. The wastewater collected in the basin drains through a conduit into a waste/drainage collection tank disposed under the basin. Two side doors permit access to the tanks, heater and pump. The sides of the cabinet have shelves for placement of washing accessories such as shampoo and the like.

**Classifications:****International (IPC 8-9):** A45D19/04 (Advanced/Invention);

A61G7/00 (Advanced/Non-invention);

A45D19/00 (Core/Invention);

A61G7/00 (Core/Non-invention)

**International (IPC 1-7):** A45D19/04**CPC:** A45D19/04 A61G7/0005**European:** A45D19/04 K61G7/00B**US:** 4/516 4/519**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2005086734 AA    | 20050428         | US20040924931      | 20040825         |
| US7469430 BB       | 20081230         | US20040924931      | 20040825         |

**Priority:**

US20030514603P 20031028 US20040924931 20040825

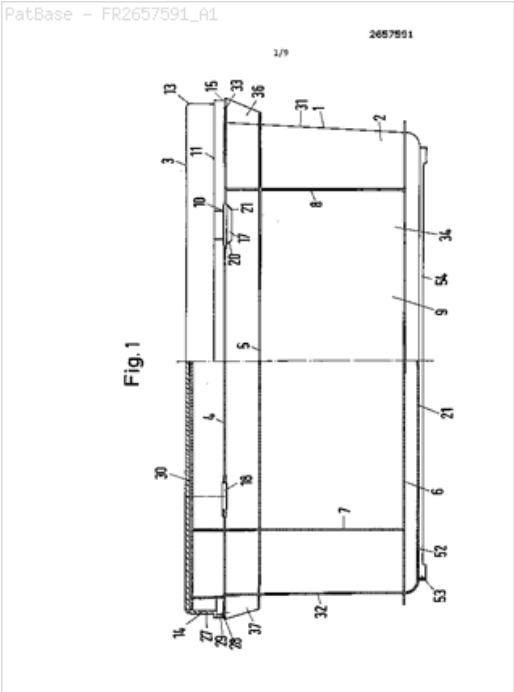
**Probable Assignee:** THIES AILENE P**Assignee(s):** (std): THIES AILENE P**Inventor(s):** (std): THIES AILENE P**Inventor(s):** THIES AILENE**Agent(s):** RICHARD C LITMAN LITMAN LAW OFFICES LTD; LITMAN RICHARD C; RICHARD C

**Title:** Household tub made of synthetic material

**Abstract:** Household tub comprising a lower part and a lid, horizontal and vertical reinforcing ribs on the external side of the lower part and the lid being connected to the lower part by a hinge, characterised in that the hinge (10) is constituted by two **heels** (16, 17) constituted on a longitudinal edge (11) of the lid (3), that is to say, its lower edge (15), which engage in two housings (18, 19) in the form of slots formed in a horizontal reinforcing rib (4) of the lower part (2) and are locked in such a way that they cannot be withdrawn by locking means (20, 21), and in that two downward pointing lugs (23, 23) comprising releasable engagement means (24) are constituted on the opposite longitudinal edge (12) of the lid (3), these means penetrating in engagement slots (25, 26) constituted in the reinforcing rib (4) on the side of the lower part (2) which is opposite the housings (18, 19) in the form of slots.

**Classifications:**

**International (IPC 8-9):** B65D21/02 B65D43/16 (Advanced/Invention)  
**International (IPC 1-7):** A47J47/00 B65D43/16 B65D43/22 B65D6/02  
**CPC:** B65D21/0219 B65D43/164 B65D2251/1025 B65D2571/00913 E05D7/1072 E05Y2900/602  
**European:** B65D21/02E7A B65D43/16C1 L65D251/10D1 L65D571/00Y9K P05D7/10D2B P05Y900/602



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CH682144 A         | 19930730         | CH19900003873      | 19901207         |
| DE9000974 U1       | 19900510         | DE19900000974U     | 19900129         |
| FR2657591 A1       | 19910802         | FR19910000409      | 19910116         |

**Priority:**

DE19900000974U 19900129

**Probable Assignee:** THOMA ROBERT ROTHO KUNSTSTOFF

**Assignee(s):** (std): THOMA ROBERT ROTHO KUNSTSTOFF

**Assignee(s):** ROBERT THOMA GMBH ROTHO KUNSTSTOFFWERKE ; ROBERT THOMA GMBH ROTHO KUNSTSTOFFWERKE 7800 FREIB ; ROBERT THOMA GMBH ROTHO KUNSTSTOFFWERKE 7800 FREIBURG DE ; THOMA GMBH ROTHO KUNSTSTOFFWERKE

**Inventor(s):** (std): BOCHER REINHOLD ; BOECHER REINHOLD ; REINHOLD BOCHER

**Title:** Mobile sea barge and platform

**Abstract:** Source: US4627767A [EN] A mobile sea barge having a unitary lower hull which has sufficient buoyancy to float the entire barge, an upper hull spaced from the lower hull by a single, centrally-positioned, vertical member, and a movable stabilizing hull arranged about the central support member for controlled movement between the upper and lower hulls is provided. Controlled movement of the stabilizing hull permits the operational modes of submerging and emerging of the lower hull into or from a bottom-founded gravity-forced mode from which drilling operations can be carried out. In the bottom-founded mode on the sea floor the barge functions as a gravity platform. Movement of the stabilizing hull is provided by a plurality of jacking legs and jacking units which constitute the control devices. The barge can be quickly switched between the surface-floating and the gravity-forced, bottom-founded modes. Controlled vertical descent to the sea floor is provided by the static stability of the stabilizing hull. The jacking legs, which are preferably four in number, are under compressive force during the submerging and the emerging modes of operation.

**Classifications:**

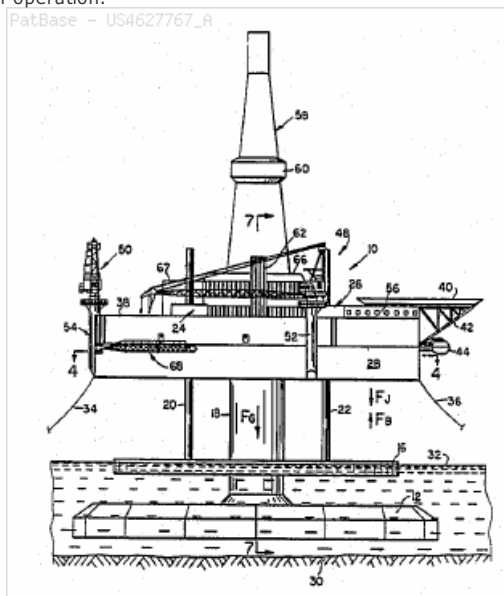
**International (ipc 8-9):** E02B17/02 (Advanced/Invention); E02B17/00 (Core/Invention)

**International (ipc 1-7):** E02B17/00

**CPC:** B63B35/10 E02B17/0021 E02B17/021 E02B17/025 E02B2017/0039 E02B2017/0069 E02B2017/0086 B63B2211/06

**European:** B63B35/10 E02B17/00D1 E02B17/02B E02B17/02C P02B17/00F P02B17/00K6 P02B17/00K8F

**US:** 114/264 114/40 405/195 405/195.1 405/196 405/203 405/204 405/208 405/217



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4627767 A        | 19861209         | US19860816993      | 19860109         |
| US4666341 A        | 19870519         | US19860817679      | 19860108         |

**Priority:**

US19830516371 19830722 US19860816993 19860109 US19860817679 19860108

**Probable Assignee:** SANTA FE INT CORP

**Assignee(s):** (std): SANTA FE INT CORP

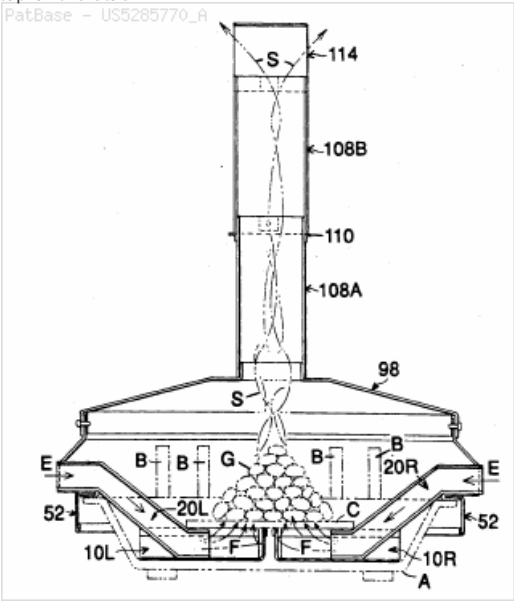
**Assignee(s):** SANTA FE INT ; SANTA FE INT A CORP OF DELAWARE CORP

**Inventor(s):** (std): FIELD ALMERON J ; JOHNSON GERALD L ; WHYTE DANIEL G

**Title:** Charcoal starter apparatus for conventional hibachi-type grill

**Abstract:** Source: US5285770A [EN] A charcoal starter apparatus for use in combination with a conventional hibachi. A rectangular housing rests on the top perimeter of the hibachi, and is clamped to the underside top edge of the hibachi. The **sidewalls** of the housing have passageways for air supply ducts, with the outlets of the ducts resting in removable troughs in the interior **base** of the hibachi. The outlet ends of the ducts and deflectors attached to the troughs support the grates of the hibachi. A removable, truncated, pyramidally shaped cover having a square exhaust inlet with a vertical collar supports a square exhaust stack, with an inverted U-shaped cap attached to the top of the stack.

**Classifications:**  
**International (IPC 8-9):** A47J37/07 (Advanced/Invention);  
A47J37/07 (Core/Invention)  
**International (IPC 1-7):** F24B3/00  
**CPC:** A47J37/079  
**European:** A47J37/07L2  
**US:** 126/163R 126/25B 126/9B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US5285770 A        | 19940215         | US19920964505      | 19921020         |

**Priority:**  
US19920964505 19921020

**Probable Assignee:** KIM STANLEY  
**Assignee(s):** (std): KIM STANLEY  
**Inventor(s):** (std): KIM STANLEY

**Title:** Catamaran-type marine vessel

**Abstract:** Source: DE19621521A1 [EN] The vessel is collapsible for transport by land, having two hulls (1) joined by a deck. Two uprights (2) are inserted in each hull and are adjustable for height in guides (1.2). Each upright has supporting surfaces (2.4) for the ends of lengthwise and transverse beams (3,4). The latter are adjusted for height by a common hand-operated fixing device (2.5,2.6). The beams form a rigid frame for a trampoline (5) acting as the deck, and also support other optional accessories.

**Classifications:**

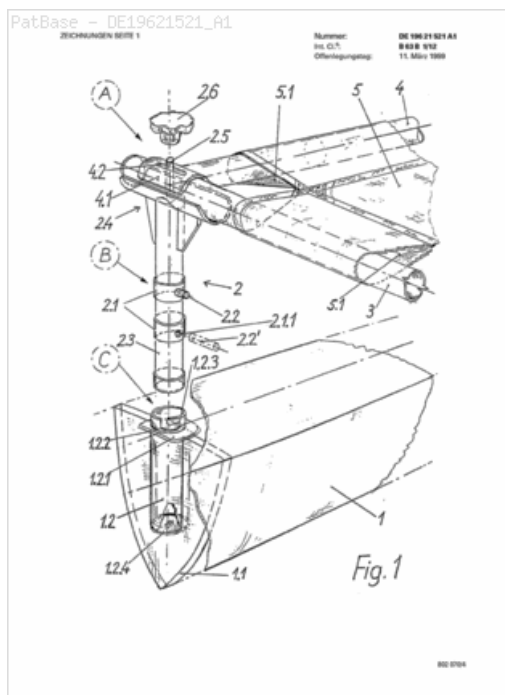
**International (IPC 8-9):** B63B1/12 B63B1/14 B63B15/00 B63B29/04 B63B35/73 B63B35/79 B63B7/02 B63C13/00 B63H25/10 B63H9/10 (Advanced/Invention);

B63B1/00 B63B15/00 B63B29/00 B63B35/73 B63B7/00 B63C13/00 B63H25/06 B63H9/00 (Core/Invention)

**International (IPC 1-7):** B63B1/12 B63B15/00 B63B35/74 B63C13/00 B63H16/06 B63H20/02 B63H25/10

**CPC:** B63B1/121 B63B7/02 B63B29/04 B63B35/73 B63B35/7959 B63B2003/085 B63C13/00 B63H9/10 B63H20/02 B63H25/10

**European:** B63B1/12B B63B29/04 B63B35/73 B63B35/79W2 B63B7/02 B63C13/00 B63H20/02 B63H25/10 B63H9/10 L63B3/08M



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE19621521 A1      | 19990311         | DE19961021521      | 19960529         |

**Priority:**

DE19961021521 19960529

**Probable Assignee:**

WINDISCHBAUER FLORIAN

**Assignee(s):** (std):

WINDISCHBAUER FLORIAN

**Assignee(s):**

WINDISCHBAUER FLORIAN 88131 LINDAU DE

**Inventor(s):** (std):

WINDISCHBAUER FLORIAN

**Inventor(s):**

WINDISCHBAUER FLORIAN 88131 LINDAU DE

**Title:** Self-contained on land on water in air protective apparatus for mass protection and mass continuation

**Abstract:** Source: US2004237178A [EN] My inventions aspire to improve the protection for human beings, against extreme conditions, where conventional safety and protective equipment are not practical for use in mass protection and mass continuation of human beings. My invention is designed to improve the chances of survival, because of the ability to collect, and recirculate the air through air-filters, for human consumption and for heating and cooling of the body. All of these is done by the air supplied by the air-compressors integrated to the protective suit, and with a minimal of stress to the lungs, because the person does not have to suck air through APR respirators once the air-tanks are filled with air. Also, improve the chances of survival in extreme conditions because of the diversity of tools and the toughness of the materials used. All done without the aid of electric motors or fans.

**Classifications:**

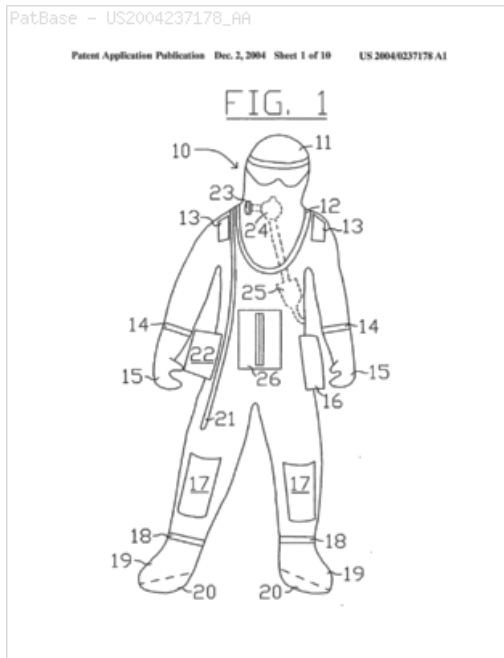
**International (IPC 8-9):** A41D13/00 A62B17/00 A62B99/00 B63C9/105 G06F17/30 G06F7/00 (Advanced/Invention); A41D13/00 A62B17/00 A62B99/00 B63C9/00 (Core/Invention)

**International (IPC 1-7):** A41D13/00 A62B17/00 G06F17/30 G06F17/60 G06F7/00

**CPC:** G06Q10/1095 G06Q50/22 A62B17/00 A62B99/00 B63C9/1055 B63C2009/0094

**European:** A62B17/00 A62B99/00 B63C9/105A G06Q10/1095 G06Q50/22 L63C9/00V

**US:** 2/457 2/457P 705/2 705/2P 705/7.19 705/7.190S 705/9 707/999.003 707/999.003S



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2004237178 AA    | 20041202         | US20040854694      | 20040525         |
| US2004267572 AA    | 20041230         | US20040854693      | 20040526         |

**Priority:**

US20030473781P 20030527 US20040854693 20040526 US20040854694 20040525

**Probable Assignee:** CETON ADAM

**Assignee(s):** CETON ADAM ; EMERY MARK ; GODOY ERIC ; LANDEROS GASPAS ; MINOR DAVID DEAN

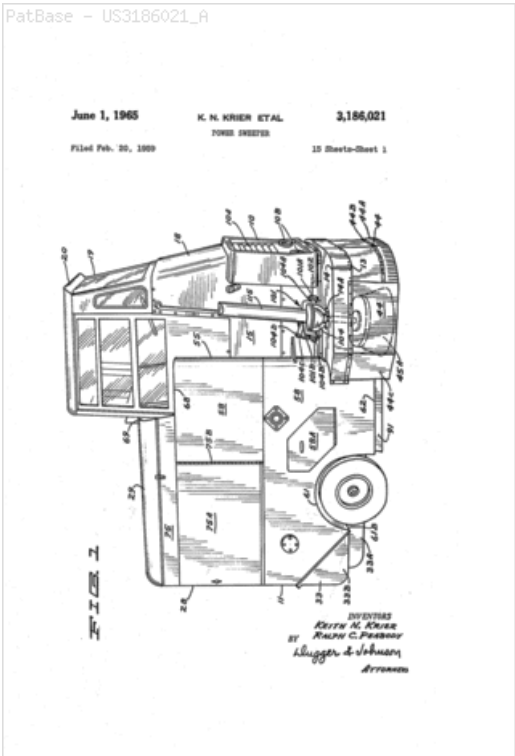
**Inventor(s):** (std): CETON ADAM ; EMERY MARK ; GODOY ERIC ; LANDEROS GASPAS ; MINOR DAVID DEAN

**Title:** POWER SWEEPER

**Abstract:** Source: US3186021A [EN] (Claim 1) 1. A power sweeper comprising a mobile frame having a longitudinal axis for normal straight forward motion, front and rear wheel means on the frame for propelling and steering the frame, the front wheel means being located on the longitudinal axis of the sweeper, power means connected through a transmission to at least some of said wheel means for operating the same, a main enclosure on the frame and a vacuum blower connected to the power means so as to be driven thereby and connected to the main enclosure for partially evacuating the main enclosure, said main enclosure having a main opening in the bottom thereof and located between the wheel means, said opening extending transversely across the frame, a substantially horizontal axis cylindrical brush and drive means connecting it to the power means, said brush being mounted on the frame for brushing engagement through said opening against the surface on which the sweeper moves, said sweeper also having thereon at least one gathering brush connected to the power means so as to be rotated thereby and mounted for rotation about a generally upright axis at a location along a side of the machine and in a position in advance of the cylindrical brush when the sweeper moves forward, and a separate open bottomed enclosure around said gathering brush, said separate enclosure being closed except at the bottom and connected to the main enclosure so as to be partially evacuated when the main enclosure is partially evacuated, said gathering brush and front wheel means both being located in said separate enclosure.

**Classifications:**

**International (IPC 8-9):** E01H1/08 (Advanced/Invention);  
E01H1/00 (Core/Invention)  
**International (IPC 1-7):** E01H1/08  
**CPC:** E01H1/0854  
**European:** E01H1/08C3  
**US:** 15/340.4 15/345 15/352 15/87 55/300 55/304 55/378



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3186021 A        | 19650601         | US19590794762      | 19590220         |

**Priority:**

US19590794762 19590220

**Probable Assignee:** TENNANT CO G H  
**Assignee(s):** (std): TENNANT CO G H  
**Assignee(s):** G H TENNANT CO ; G H TENNANT COMPANY  
**Inventor(s):** (std): PEABODY RALPH C ; KRIER KEITH N

**Title:** PERFECTIONNEMENTS AUX MACHINES POUR DEPOSER DES MATERIAUX ELASTOMERES SUR LES CARCASSES DE PNEUMATIQUES IMPROVEMENTS IN MACHINES FOR DROP MATERIALS ELASTOMERIC TIRE CARCASS (Machine translation)

**Abstract:** Source: FR1378843A [FR] (Claim 1) 1. Machine pour déposer une couche d'un elastomere sur une carcasse de pneumatique, essentiellement caracterisee par le fait qu'elle comporte des moyens pour appliquer un ruban d'elastomere sur la carcasse en un point dit point de fixation, des moyens pour faire tourner la carcasse autour de son axe afin d'y déposer le ruban, des moyens pour produire un mouvement relatif appele mouvement azimutal entre la carcasse et le point de fixation, dans une direction perpendiculaire au mouvement relatif du a la rotation de la carcasse, en vue d'obtenir un chevauchement entre les spires successives de ruban, et des moyens pour faire varier automatiquement le mouvement azimuts en fonction de la position azimutale du point de fixation par rapport a la carcasse, en vue d'obtenir la variation d'epaisseur desiree de la couche d'elastomere deposee.

**Machine translation:** (Claim 1) 1. Machine for depositing a layer of an elastomer on a tire carcass, essentially characterized in that it comprises means for applying a strip of elastomer on the carcass at a point said point of attachment, means for rotating the carcass about its axis to deposit the ribbon, means for producing relative movement called azimuth movement between the carcass and the fixing point, in a direction perpendicular to the relative movement of the rotation of the carcass, in order to obtaining an overlap between successive turns of tape, and means for automatically varying the blow-out movement depending on the azimuthal position of the point of attachment relative to the casing, in order to obtain the desired variation in thickness of the elastomer layer deposited.

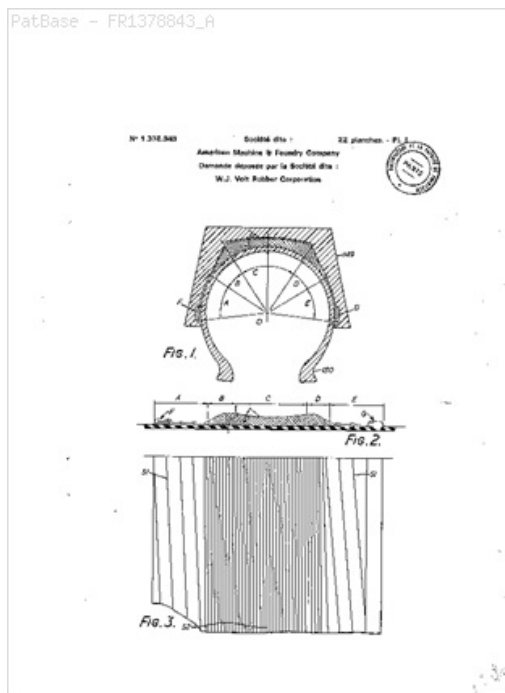
**Classifications:**

**International (IPC 8-9):** B29D30/30 (Advanced/Invention); B29D30/30 (Core/Invention)

**International (IPC 1-7):** B29H17/37

**CPC:** B29D30/60 B29D30/3028

**European:** B29D30/30 B29D30/30E



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR1378843 A        | 19641120         | FR19630933342      | 19630430         |

**Priority:**

FR19630933342 19630430

**Probable Assignee:** AMERICAN MACH AND FOUNDRY

**Assignee(s):** (std): AMERICAN MACH AND FOUNDRY

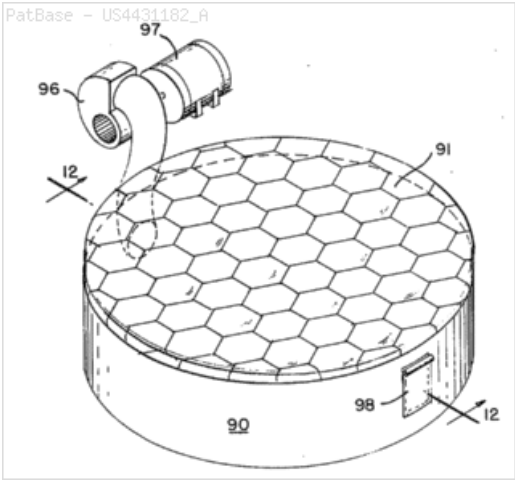
**Assignee(s):** AMERICAN MACHINE AND FOUNDRY CO ; AMERICAN MACHINE AND FOUNDRY COMPANY

**Title:** Human free-flight amusement devices

**Abstract:** Source: US4431182A [EN] These amusement devices enable users to experience the sensations of zero gravity or weightlessness in free flight, with the sensations heightened because the users experience gravity forces in excess of one while being accelerated into and retrieved from free flight. The apparatus comprises coordinated, cooperating acceleration and retrieval means. The flight may be essentially vertical or have a parabolic trajectory. Use of the apparatus is not dependent on the physical condition and ability of users.

**Classifications:**

**International (IPC 1-7):** A61G7/04  
**CPC:** A63B2005/085 A63B2208/12 A63B2210/50 A63G31/08  
**European:** A63G31/08 K63B208/12 K63B210/50 K63B5/08A  
**US:** 124/26 272/65 482/27 5/453



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4431182 A        | 19840214         | US19820374620      | 19820503         |

**Priority:**

US19820374620 19820503

**Probable Assignee:** REYNOLDS FRANCIS D  
**Assignee(s):** (std): REYNOLDS FRANCIS D  
**Inventor(s):** (std): REYNOLDS FRANCIS D

**Title:** EMBALLAGE PORTE-BOITES PACKING BOXES HOLDER (Machine translation)

**Abstract:** Source: FR1221954A [EN] (Claim 1) \*\* WARNING \*\* start of CLMS field may contain end of DESC \*\*.

**Classifications:**

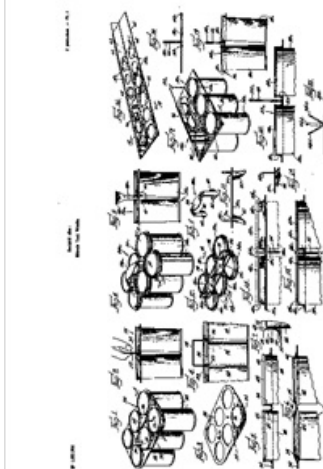
**International (IPC 8-9):** B65D71/50 (Advanced/Invention);  
B65D71/50 (Core/Invention)

**International (IPC 1-7):** B65D67/02 B65D71/00

**CPC:** B65D71/50 B65D71/504

**European:** B65D71/50 B65D71/50D

PatBase - FR1221954\_A



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR1221954 A        | 19600607         | FR19590786300      | 19590210         |

**Priority:**

FR19590786300 19590210

**Probable Assignee:**

ILLINOIS TOOL WORKS

**Assignee(s):** (std):

ILLINOIS TOOL WORKS