

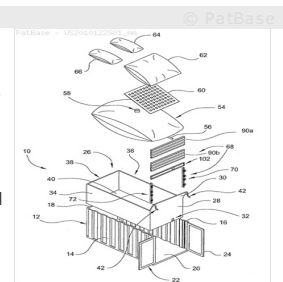
1) Family number: 45000452 (US2010122981A)

SHIPPING CONTAINER SYSTEMS

Abstract: Source: US2010122981A The application relates to shipping container systems that include a large multi-layered flexible container ("flexitank") disposed inside a large rigid shipping container which has an open end with one or more doors capable of an open or closed position, and further including one or more bulkhead assemblies, one of the bulkhead assemblies interposed between the flexitank and the open end of the rigid container and/or the doors. In at least one specific embodiment, the bulkhead assembly includes a first brace disposed vertically along a portion of the first side wall inner surface; a second brace disposed vertically along a portion of the second side wall inner surface; and a bulkhead panel member extending horizontally between the first brace and the second brace. In other embodiments, bulkhead assemblies may utilize generally curved or "swept" bulkhead bars, which do not require vertical braces.

Probable Assignee: ENVIRONMENTAL PACKAGING TECHNOLOGIES INC

Earliest Publication Date: 20100518



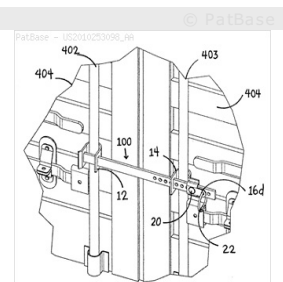
2) Family number: 47032991 (US2010253098A)

BAR SEAL FOR SHIPPING CONTAINER

Abstract: Source: US2010253098A The present invention is directed to a bar seal for a shipping container that indicates if the bar seal has been tampered with during the shipment of goods. The bar seal uses the following mechanisms to indicate tampering: a unique marking mechanism, a reusable locking mechanism, and a temporary sealing mechanism for sealing a shipping container.

Probable Assignee: MORENO JOSE M

Earliest Publication Date: 20101007



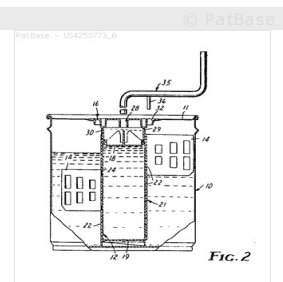
3) Family number: 1556114 (US4253773A)

FLUID CONTAINER

Abstract: Source: US4253773A A container for shipping, storing and mixing at least two fluids has a covered cylindrical outer container for containing a first fluid and a coaxial, smaller diameter inner container for the second fluid. The inner container is closed at the end adjacent the cover of the outer container by a piston and at the opposite end by a removable seal. A plurality of mixing blades are spaced around the inner container and are coupled to a drive plate in the cover of the outer container for rotation therewith. The drive plate has an axial opening for a pusher rod to enter and push the piston down the inner container to expel the second fluid into the first fluid in the outer container, the fluids then being mixed by rotation of the drive plate.

Probable Assignee: 3M CO

Earliest Publication Date: 19810225



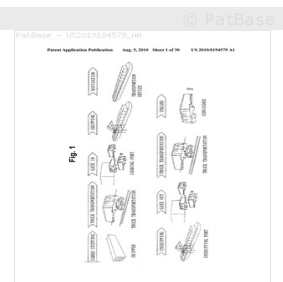
4) Family number: 46421039 (US2010194579A)

CONTAINER SECURITY DEVICE, CONTAINER SECURITY SYSTEM, AND SECURITY MANAGEMENT METHOD

Abstract: Source: US2010194579A Provided are a container security device, a container security system, and a security management method which efficiently check opening/closing of a container door and an opening/closing record of the container door and process seal information, cargo state information, base passing information, and location tracking information in real-time from a gate-out process from a shipper (POA) to a gate-in process to a consignee (POD). The container security system includes the container security device which includes a first communication means for providing container seal information through multi-channel communication; and a second communication means for providing information about container transportation and storage in real-time.

Probable Assignee: DONG A UNIV IND UNIV COOPERATION FOUNDATION

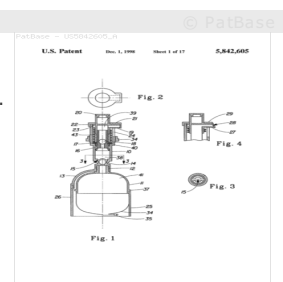
Earliest Publication Date: 20100804



5) Family number: 11281151 (US5842605A)

RESUABLE DISPENSER FOR PASTE, LOTION AND CREAM-LIKE MATERIALS

Abstract: Source: US5842605A A dispenser for use with a container of lotion or paste-like product to be dispensed. The dispenser comprises a body having an inlet port connectable to the container and a dispensing spout with a closure cap. The dispenser has a plunger assembly manually shiftable between an unactuated position and an actuated position and a piston shiftable by the plunger assembly between an unactuated position and an actuated position. Both the plunger assembly and the piston are biased toward their unactuated position. As the plunger assembly and piston are shifted toward their actuated positions, the spout cap is opened and the piston causes product to be dispensed through the spout. When the plunger assembly is released and it and the piston return to their unactuated positions, a suck back vacuum withdraws product back into said spout, a vacuum created by the piston draws product from the container into the dispenser and the spout is closed by the cap. The dispenser can be used with a collapsible container or a rigid, uncollapsible container vented by a port provided in the dispenser.



Probable Assignee: LEHMKUHL ROBERT A

Earliest Publication Date: 19981201

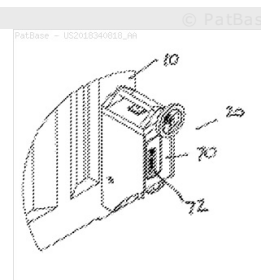
6) Family number: 65615188 (US2018340818A)

APPARATUS FOR DETERMINING THE WEIGHT OF AN OBJECT

Abstract: Source: US2018340818A A method and system for determining the weight of an object, such as a shipping container, comprises a plurality of portable weighing units. The weighing units are attachable to the ISO corner connectors of the shipping container. The shipping container is lifted and its weight is then supported by the portable weighing units. The portable weighing units are arranged such that the load applied by the weight of the shipping container passes through respective load cells in each weighing unit in the required direction of loading to ensure an accurate reading from each load cell. The system also includes software enabling a customer to book a weighing service and software to facilitate weighing of the shipping container and transmitting weight data for the shipping container to the customer or to a third party.

Probable Assignee: CONWEIGH INNOVATION PTY LTD

Earliest Publication Date: 20170511



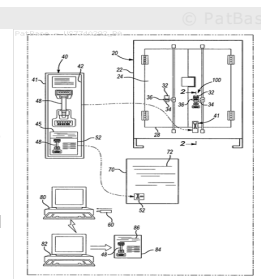
7) Family number: 45459505 (US7740292B)

MECHANICAL TAMPER-EVIDENT HIGH SECURITY SEAL AND METHOD OF USE TO SECURE A CARGO CONTAINER

Abstract: Source: US7740292B A mechanical tamper evident security seal for sealing a cargo container door includes a metallic pin having a head at an upper end and circumferential indents at a second end. An upper banner includes a portion non-removably encasing the head of the metallic pin. The banner includes first identifying indicia unique to a particular one of a plurality of like mechanical seals. A lock receptacle receives the second end of the metallic pin therein and includes a lock housing retaining at least two locks therein. A first of the locks engaging a first of the circumferential indents and a second of the locks simultaneously engages a second of the circumferential indents. Any attempt to withdraw the metallic pin results in visually identifiable destruction of the seal. A lower banner extending from the lock receptacle includes second unalterable identifying indicia identical to the first identifying indicia. The seal is one element of a security seal tamper-evidencing kit providing a multi-layered approach to securing a cargo container.

Probable Assignee: FATTORI LAZZARO A

Earliest Publication Date: 20100622



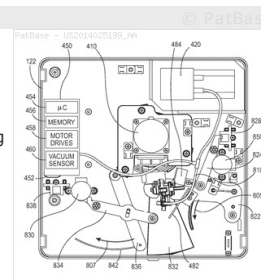
8) Family number: 55664518 (US2014025199A)

OBJECT DISPENSER HAVING A VARIABLE ORIFICE AND IMAGE IDENTIFICATION

Abstract: Source: US2014025199A A method and apparatus for dispensing objects from automated storage and retrieval systems such as medications is disclosed which may also include a singulator to assure singulation (retrieval of singular objects). The singulator may be an imaging system to confirm and/or identify the objects being dispensed and/or a variable orifice dynamically adjustable to a specific object or pill size, and through which only a single object or pill is allowed to pass. The system may further include a flexible probe so as to reduce the size of the system where the movement of the probe relative to or while retrieving objects is accomplished by advancing/retracting a flexible tube. The method and apparatus may further include an imaging system.

Probable Assignee: PHARMADVA LLC

Earliest Publication Date: 20140123



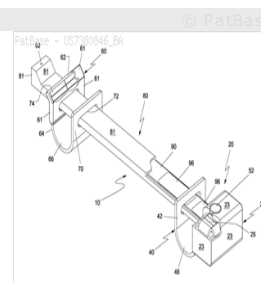
9) Family number: 41859602 (US7380846B)

BAR SEAL FOR CONTAINER

Abstract: Source: US7380846B A single-use security bar seal assembly for containers, comprising an elongated bar member having first and second ends, a support assembly, and a receiving bracket. The receiving bracket, support assembly, and bar member have transparent plastic covers. The single-use security bar seal assembly has bar-codes on all individual parts and electrical means for determining severance of the elongated bar member.

Probable Assignee: MORENO JOSE M

Earliest Publication Date: 20080603



10) Family number: 43685201 (CO4180428A)

METODOS Y SISTEMAS PARA LA FABRICACION DE MATERIALES DE EM- PAQUE, RECIPIENTES Y OTROS PRODUCTOS DE MEZCLAS QUE FRAGUAN HIDRAULICAMENTE COMPUESTOS CON ALTO RELLENO INORGANICO. METHODS AND SYSTEMS FOR MAKING MATERIALS PARKS EM, VESSELS AND OTHER PRODUCTS HYDRAULICALLY SETTING MIXING WITH HIGH FILLING INORGANIC COMPOUNDS. (MACHINE TRANSLATION)

Abstract: Source: CO4180428A UN ARTICULO DE FABRICACION QUE TIENE UNA MATRIZ ESTRUCTURAL CONRELLENO INORGANICO QUE COMPRENDE UN AGLUTINANTE ORGANICO DISPERSABLE EN AGUA; UN AGREGADO INORGANICO QUE TIENE UNA CONCENTRACION DENTRO DEL RANGO DE ENTRE 40 percent Y 98 percent EN VOLUMEN DEL TOTAL DE SOLIDOS EN LA MATRIZ ESTRUCTURAL CON RELLENO INORGANICO; Y UN MATERIAL FIBROSO, TENIENDO DICHA MATRIZ ESTRUCTURAL CON RELLENO INORGANICO UN GROSOR DENTRO DEL RANGO DE ENTRE 0.01 nm Y 20 nm.7UN METODO PARA FABRICAR UN ARTICULO COMPRENDIENDO EL METODO LOS PASOS DE: MEZCLAR UN AGLUTINANTE DE POLIMERO ORGANICO, UN AGREGADO INORGANICO, AGUA Y FIBRAS CON EL FIN DE FORMAR UNA MEZCLA MOLDEABLE, ESTANDO INCLUIDO EL AGREGADO INORGANICO EN UNA CANTIDAD DENTRO DEL RANGO ENTRE 40 percent Y 98 percent EN VOLUMEN DEL TOTAL DE SOLIDOS EN LA MEZCLA; MOLDEAR LA MEZCLA EN LA FORMA ESTABLE DEL ARTICULO Y ENDURECER LA MEZCLA EN UNA FORMA ESTABLE DEL ARTICULO, TENIENDO EL ARTICULO UNA MATRIZ ESTRUCTURAL.18UN SISTEMA PARA FABRICAR UN ARTICULO, QUE COMPRENDE: UNA MEZCLADORA ESTRUCTURADA PARA PREPARAR UNA MEZCLA MOLDEABLE QUE INCLUYA UN AGLUTINANTE DE POLIMERO ORGANICO, UN AGREGADO INORGANICO QUE TIENE UNA CONCENTRACION EN EL RANGO ENTRE 40 percent Y 98 percent EN VOLUMEN DEL TOTAL DE SOLIDOS EN LA MEZCLA, AGUA Y FIBRAS; MEDIOS PARA MOLDEAR LA MEZCLA MOLDEABLE EN LA FORMA DESEADA Y LOGRAR ESTABILIDAD DE FORMA EN MENOS DE UN MINUTO Y MEDIOS PARA ENDURECER LA MEZCLA EN LA FORMA DESEADA DEL ARTICULO. An article of manufacture having a structural CONRELLENO MATRIX INORGANIC ORGANIC comprising a binder dispersible in water; INORGANIC an aggregate having a concentration in the range between 40 percent and 98 percent by volume of the total solids in MATRIX FILLED STRUCTURAL INORGANIC; And a fibrous material, said structural matrix STUFFED WITH INORGANIC a thickness in the range between 0.01 nm and 20 nm.7UN method for making an article the method comprising the steps of: mixing an organic polymer binder, an aggregate inorganic WATER And fibers in order to form a moldable mixture, BEING INCLUDED IN THE AGGREGATE INORGANIC an amount within the range of between 40 percent and 98 percent by volume of the total solids in the mixture; Molding the mixture in stable shape of the article and curing the mixture into a stable form of the article, the article having MATRIX SYSTEM ESTRUCTURAL.18UN making an article, comprising: a STRUCTURED MIXER FOR PREPARING A moldable mixture including a binder ORGANIC POLYMER, INORGANIC an aggregate having a concentration in a range between 40 percent and 98 percent by volume of the total solids in the mixture, water and fibers; MEDIA MOLDEABLE molding the mixture into desired shape and form stability ACHIEVE IN LESS THAN ONE MINUTE AND MEANS FOR HARD MIX IN ARTICLE desired shape.

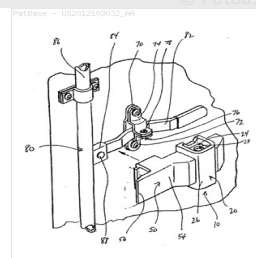
Probable Assignee: E KHASHOGGI IND

Earliest Publication Date: 19950607

11) Family number: 51043677 (US2012103032A)

SECURITY COVER FOR CARGO CONTAINERS

Abstract: Source: US2012103032A A security device for a shipping container of the type having doors with a vertically disposed rotatable keeper bar which is rotatable about a vertical axis and an elongated operating handle having one end pivotally secured, about a horizontal axis, to the keeper bar with the operating handle being movable between a locked position and an unlocked position with the operating handle being secured in said locked position by a hasp having a pair of legs with normally aligned holes for securing the keeper bar, the security device being adapted and arranged for securely locking said container when the keeper box is in its locked position. The security cover includes a first cover plate structure which covers the hasp and a second cover plate structure which covers the pivotal connection of the operating handle with the keeper bar. The security cover is of one-piece integral construction.



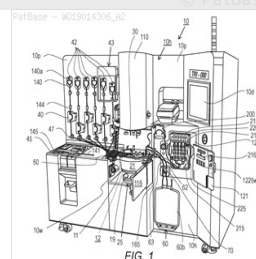
Probable Assignee: THOMSEN VERNE E

Earliest Publication Date: 20120503

12) Family number: 72876096 (WO19014306A2)

AUTOMATED PROCESSING SYSTEMS, APPARATUS, METHODS AND RELATED DEVICES

Abstract: Systems, apparatus, devices and methods for automated processing of nucleic acids and other samples using a container assembly with a plunger support member comprising at least one plunger extending a distance below the plunger support member, a vessel member comprising at least one vessel residing under the plunger support member, and a flexible impermeable barrier comprising an outer wall with an upper perimeter portion sealably attached to the plunger support member. The outer wall of the flexible barrier merges into a closed bottom surface defining a segment of a bottom of the container assembly. The bottom surface extends laterally a distance to define an inner flexible barrier segment that is sealably attached to the vessel member to define an enclosed interior chamber that resides under the plunger support member inside the flexible barrier with the at least one vessel with the liquid cavity residing inside the interior chamber.



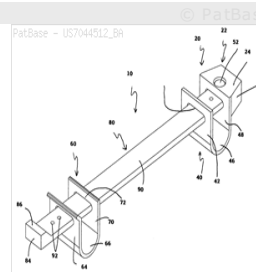
Probable Assignee: ARGOS THERAPEUTICS INC

Earliest Publication Date: 20190117

13) Family number: 33000564 (US7044512B)

BAR SEAL FOR SHIPPING CONTAINER

Abstract: Source: US7044512B A single-use security bar seal assembly for shipping containers, comprising an elongated bar member having first and second ends, a support assembly, and a receiving bracket. The single-use security bar seal assembly has matching identification codes on all individual parts and electrical means for determining severance of the elongated bar member.



Probable Assignee: MORENO JOSE M

Earliest Publication Date: 20060516

14) Family number: 66935489 (CA2921689A)

COCONUT FIBER/STRAW/SUGARCANE HUSK (BAGASSE) BONDED RUBBER

Abstract: Source: CA2921689A Straw/Bamboo/sugarcane husk (bagasse) bonded with rubber strong enough and light for bulletproof over 850+ new applications. These materials are so stronger they are bulletproof. Yet they are very light and can be thinned for many uses ie. thinned for heavy duty gloves and/or boxes, and/or heavy duty reusable bags... Can be used to replace, as mix (powders and adhesives), layers, lining and composites and coatings possibly mixed with flame retardants, temperature resistant and electrical conductivity or electrical insulator...

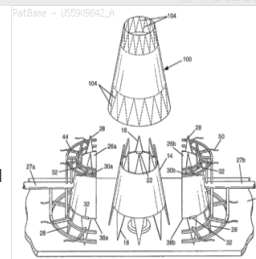
Probable Assignee: VOON GERARD G V

Earliest Publication Date: 20170909

15) Family number: 15734475 (US5909842A)

CONTAINER FOLDING MACHINE AND PRODUCT THEREOF

Abstract: Source: US5909842A A machine for container formation by folding a die-scored paperboard structure to close flaps shaped by the scoring that serve as the top and bottom of the container. A scored paperboard sheet is loaded onto a male pedestal inner pattern such that the foldable top and bottom container portions extend beyond the pattern, whereupon armature driven semicircular outer patterns, having upper and lower fingers adapted to be driven by corresponding fluid driven pin stabilizers, close upon the sheet. While closed over the sheet, the pins are activated to move the fingers inward on the inner pattern and force fold the container along the score lines, followed by automatic retraction of the pins and outer patterns. The container is thus pre-folded in preparation for shipping as a flat paper form that is ready for folding on the crease lines thus formed. One or both flaps of the container can be folded along the crease lines to form a closure at one or both ends. When folded, the flap forms a plurality of inwardly directed pyramidal segments that are crimped along the container axis to form the closure.



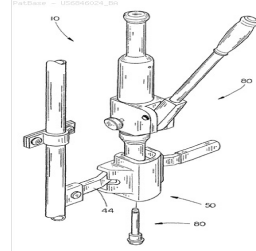
Probable Assignee: ALLMON GARY

Earliest Publication Date: 19990608

16) Family number: 31483887 (US6846024B)

SECURITY COVER SYSTEM FOR CARGO CONTAINER LATCH

Abstract: Source: US6846024B A security system for a shipping container includes a cover and seal pin, and a special removal tool for removing the pin from the cover. The cover includes a vertical channel with top and bottom plates mounted therein to form a rearwardly opening box. A pair of vertically aligned apertures in the top and bottom plates are aligned with apertures in ears of a hasp on the shipping container, and receive the seal pin to secure the cover to the container. A seal pin includes an elongated shaft with annular grooves in the upper and lower ends. A pair of end caps each includes an annular groove on their interior surfaces that correspond with the shaft grooves to retain a locking ring within the pair of aligned grooves, when the caps are snapped on the ends of the shaft. The locking rings prevent removal of the caps, once snapped into place on the shaft. A removal tool includes a hydraulic pump with a punch secured to a piston of the pump. A punch housing has a gripping structure on the lower end that will grip a seal pin end cap, while the punch is driven through the end cap to push the shaft free of the end cap and release the seal pin.



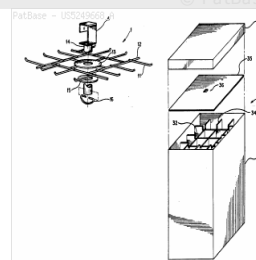
Probable Assignee: SECURUS ENTERPRISES LLC

Earliest Publication Date: 20050125

17) Family number: 12344272 (US5249668A)

METHOD AND APPARATUS FOR TRANSPORTING AND DISPLAYING NECKTIES

Abstract: Source: US5249668A A revolvable rack for neckties that can be either temporarily or permanently hooked or fastened to a rod or a store fixture, and a container for shipping the rack while it is fully loaded with ties. The rack is easily rotated by hand, has a relatively small turning radius and has the capacity to hold several dozen ties. Once the tie rack is placed in the container, the container serves to both store and protect the ties in an organized and out-of-the-way manner. The tie rack and container combination can be hung together in an existing space. The container allows the fully loaded tie rack to be quickly and easily lifted out of the container in one smooth motion, and directly hung on a rod or on a merchandising fixture in a store without the use of special tools or equipment, such that the ties are readily and pleasingly displayed.



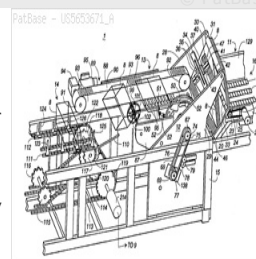
Probable Assignee: RANDA CORP

Earliest Publication Date: 19931005

18) Family number: 42123918 (US5653671A)

CARTON FEEDER ASSEMBLY

Abstract: Source: US5653671A A carton feeder assembly is positioned substantially at the infeed conveyor level and includes a carton supply assembly, a carton selector, a carton opener, and a carton erector. The carton supply assembly has a carton supply position, a carton holding position, and a carton selecting position. The carton selector includes a pair of feeder wheels with corresponding suction devices and respective motion defining assemblies. The motion defining assemblies cause the suction devices to move along a linear pick line as the feeder wheels rotate, so that the suction devices can apply a suction on a carton to be selected. The selected carton is brought into contact with the feeder wheels by retraction of the suction devices caused by respective motion defining assemblies, so that the carton moves with the feeder wheels to the carton opener. The carton opener includes a vacuum belt which applies suction to one surface of the selected carton as a carton opening wheel applies a suction to a second side of the selected carton. As the vacuum belt moves the carton in a linear direction, the carton opening wheel rotates the second side of the carton so that the carton opens. The vacuum belt then feeds the opened carton into leading lugs on respective chains of the carton erector. Trailing lugs rotate into position behind the opened carton to hold the carton in an erect position suitable for loading the carton with articles such as bottles or cans.



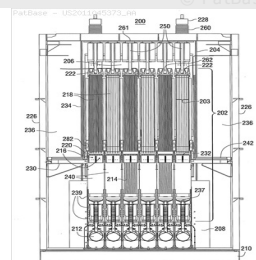
Probable Assignee: GRAPHIC PACKAGING INT INC

Earliest Publication Date: 19960701

19) Family number: 48343554 (US2011045373A)

GENERATOR MODULE ARCHITECTURE FOR A LARGE SOLID OXIDE FUEL CELL POWER PLANT

Abstract: Source: US2011045373A A solid oxide fuel cell module contains a plurality of integral bundle assemblies, the module containing a top portion with an inlet fuel plenum and a bottom portion receiving air inlet feed and containing a base support, the base supports dense, ceramic exhaust manifolds which are below and connect to air feed tubes located in a recuperator zone, the air feed tubes passing into the center of inverted, tubular, elongated, hollow electrically connected solid oxide fuel cells having an open end above a combustion zone into which the air feed tubes pass and a closed end near the inlet fuel plenum, where the fuel cells comprise a fuel cell stack bundle all surrounded within an outer module enclosure having top power leads to provide electrical output from the stack bundle, where the fuel cells operate in the fuel cell mode and where the base support and bottom ceramic air exhaust manifolds carry from 85 percent to all 100 percent of the weight of the stack, and each bundle assembly has its own control for vertical and horizontal thermal expansion control.



Probable Assignee: SIEMENS ENERGY INC

Earliest Publication Date: 20110224

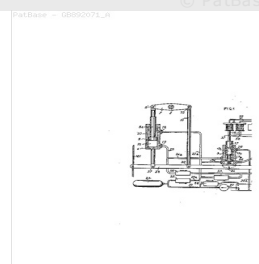
20) Family number: 20832321 (GB892071A)

HYDRAULIC SERVOMOTOR FOLLOW-UP SYSTEMS

Abstract: Source: GB892071A 892,071. Fluid-pressure servomotor-control systems. MERCIER, J. May 8, 1959, No. 15911/59. Addition to 794,102. Drawings to Specification. Class 135. The invention is substantially as described in the parent Specification, but the claims relate to an hydraulic follow-up system in which the two pressure sources are substantially at the same pressure.

Probable Assignee: MERCIER JEAN

Earliest Publication Date: 19620321



21) Family number: 105415 (US3639035A)

SYNTHETIC RESIN STRUCTURES FOR LIGHT CONDUCTION AND PRODUCTION THEREOF

Abstract: Source: US3639035A A polymer in the form of a transparent bar or fiber having bridges due to ionic bonding of carboxylic groups and metals and having a compositional distribution wherein the concentrations of at least two of the metals vary progressively from the central axis toward the outer surface of the bar or fiber, whereby the refractive index thereof varies progressively in directions transverse to the axis. A bar or fiber of this character can be produced by immersing a polymer bar or fiber having bridges due to ionic bonding of carboxylic groups and metals in a medium containing ions of at least one other metal different from any of the first-mentioned metals to cause ions of the metals originally in the resin body to be substituted by ions of the other metal.

Probable Assignee: NIPPON SELFOC CO LTD

Earliest Publication Date: 19700701

22) Family number: 16928880 (DE29603283U1)

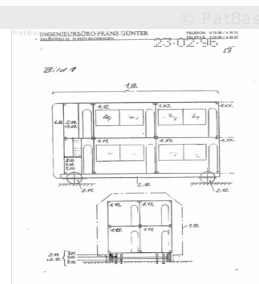
PERSON AND/OR GOODS TRANSPORT EQUIPMENT SYSTEM IN MODULAR BUILDING METHOD

Abstract: Source: DE29603283U1 (Claim 1) Schutzanspruch ueber Personen- und / oder Guetertransportgeraetes y stemin modularer Bauweise vorzugsweise f uer Stadt- und / oder Umlandverkehrund / oder innerbetrieblicher Verkehr, inc l. Bereitstellung, Lagerung, Montage und/oder Fertigung, dadurch gekennzeichnet, (siehe Bild 1) dass vorzugsweise eine Grundzelle = Grundmodul (1).

Machine translation: (Claim 1) right to protection by persons and / or Guetertransportgeraetes y stemin modular preferably f uer city and / or Umlandverkehrund / or in-plant transportation, inc l. provision, storage, assembly and / or production, characterized (see Figure 1) that preference is a basic cell = base module (1)

Probable Assignee: GUENTER FRANZ DIPL ING FH

Earliest Publication Date: 19970821



23) Family number: 350846 (DE1816315A1)

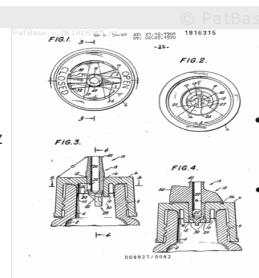
VENTILKAPPEN FUER BEHAELTER VALVE CAPS FOR CONTAINER (MACHINE TRANSLATION)

Abstract: Source: DE1816315A1 (Claim 1) 1. Ein Ventilverschluss zum Austragen von Flussigkeiten aus einem Behaelter, umfassend ein Kappenelement, das an einem Ende des Behaelters befestigt ist, d a d u r c h g e k e n n z e i c h n e t dass eine zentral angebrachte Nabe in Richtung auf die Innere des Behaelters verlaeuft, eine Oeffnung in der Nabe vorhanden ist, ein Flansch von der genannten Nabe vorsetzt angeordnet ist und die Innenseite der Oeffnung des Behaelters in abdichtendem Verhaeltnis erfasst, ein Ventilelement vorhanden ist, das genannte Ventil einen Ventilstoessel besitzt, der drehbar in der genannten Nabe montiert ist, der genannte Ventilstoessel kommunizierende radiale und axiale Oeffnungen besitzt, eine Oeffnung in der genannten Nabe mit der genannten radialen Oeffnung kommunizieren kana, wodurch ein selektives Oeffnen und Schliessen des Ventilverschlusses moeglich ist, eine radialfedernde Verlaengerung von einem Ende des genannten Ventilstoessels verlaeuft, der genannte Stoessel Teile besitzt, die radial zusammendrueckbar sind, wodurch der Zusammenbau des genannten Ventilstoessels und der genannten Nabe ermoeeglicht wird, die genannten radial verlaufenden Teile mit der genannten Nabe so zusammenspielen koennen dass die Loesen des genannten Ventils und der genannten Nabe verhindert wird, wobei die genannte federnde Verlaengerung halbkreisfoermig ausgebildet ist.

Machine translation: (Claim 1) 1 A valve closure for discharging liquid from a container comprising, a cap member which is secured at one end of the container, characterized in that a centrally mounted hub extends into the interior of the container, an opening is present in the hub, a flange from said hub is arranged inside the mouth of the container is covered in sealing relation, a valve element is hand before, said valve has a Ventilstoessel, rotatably mounted in said hub, which called the Ventilstoessel owns communicating radial and axial openings, an opening in of these possessions with said radial opening communicating kana, which selectively opening and closing the valve closure is AS POSSIBLE, a radialfedernde extending from one end of said Ventilstoessels runs, the said Stoessel has parts that are radially compressed, whereby the assembly of the said Ventilstoessels and called the Nabe is possible, can play together called the radial part of the so-called hub can solve the above-mentioned valve and the Nabe, prevents-is, where the extension is designed as a semicircular.

Probable Assignee: LEEDS AND MICALLEF

Earliest Publication Date: 19700702



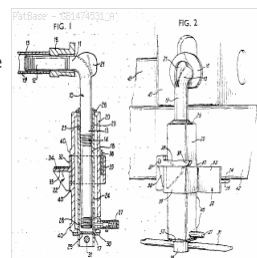
24) Family number: 3994223 (GB1474531A)

FASTENING MEANS FOR A SHIPPING CONTAINER

Abstract: Source: GB1474531A 1474531 Fasteners for shipping containers D T and N KEIGHLEY (WHALLEY) Ltd 11 June 1975 [12 March 1974] 10910/74 Addition to 1377685 Heading E2B A fastener, for fastening a shipping container 43 with lateral openings to a platform 42, comprises a body 10 having a first leg 11 for entering one of the openings and a second leg 13 carrying an abutment member 22 detachably mounted on a sleeve 20 which is movable on the leg 13 for example by a nut 18 screw threaded to the leg. The nut 18 has a top sleeve part 23 including a dirt seal 25 and sleeve-engaging circlip 26, and has a lower sleeve part including a sleeve retaining flange 30 and bar 31. A thrust bearing may be interposed between the flange and the sleeve. Strip-like projections fix the position of the member 22 on the sleeve 20 by delimiting a mount for a flange 32 and a U- shaped strap 35 of the member 22 when a pivoted filler piece 38 is interposed between the strap 35 and the sleeve 20. The gap left on pivoting the filler piece away from the strap allows the member 22 to be moved past the projections 40 when required.

Probable Assignee: KEIGHLEY LTD D

Earliest Publication Date: 19770525



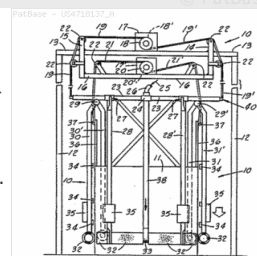
25) Family number: 3018405 (US4718137A)

AUTOMATED WASHER FOR CARGO CONTAINER

Abstract: Source: US4718137A A cargo container wall and top lid washing machine has multiple rotating cylindrical sweeper brushes which are hydraulically rotated by detergent-water solution pumped throughout one or more water turbines, powered by electric motors, and water pumps. The multiple rotating sweeper brushes are planarly disposed and secured in a planar frame means, providing simultaneous scrubbing of the inside and outside walls of the multiple container lids and the inside and outside walls of the cargo container. The multiple rotating sweeper brushes can be simultaneously lowered around the set of open lids and into and outside of the cargo container walls. Multiple throttle valves control the flow rate of detergent cleaning solution to each cylindrical brush, the brushes being rotated by centrifugal rotating water turbine motors, whose hollow central shafts are extended to bearing journals disposed in paired, opposed, pivoted long, hollow tubular support mounts. The hollow control sweeper shafts are externally tufted with fiber tufts to provide a cylindrical brush, and are additionally provided with apertures along the shafts for flow of detergent solution. A rigid frame support means is permanently positioned and secured above on support columns. The rigid overhead frame means has sufficient free space below the frame means to freely contain the cargo container with cable supported upraised lids, and to contain the cable supported sweeper brushes and their cooperating operating brush structure.

Probable Assignee: JONES JOHN L

Earliest Publication Date: 19880112



26) Family number: 32280156 (DE102005011016A1)

ROTARY DRIVE AND/OR MOTOR FOR INVASIVE AND/OR EXPANSIVE DRIVE ARRANGEMENT HAS CENTRAL OR PERIPHERAL ROTATION BODY SUPPORTED BY CENTRAL AXLE OR SHAFT OR BY OUTER RING OR BAR, ACTION AND REACTION BODY WALL LYING OPPOSITE ROTARY BODY

Abstract: The rotary drive and/or motor has a central rotation body that is supported by a central axle or shaft or a peripheral rotation body that is supported by an outer ring or bar and that is provided for driving and/or rotation. There is also an action and reaction body wall lying opposite the rotation body.

Probable Assignee: MEYER FLORIAN

Earliest Publication Date: 20051006

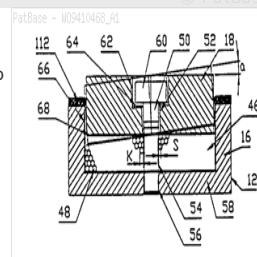
27) Family number: 8432651 (WO9410468A1)

BEARING BLOCK, IN PARTICULAR FOR A SHIP'S HULL

Abstract: A bearing block (12) is used to support a building element (10), in particular a building element subject to different loads, on a bearing body (14), when alignment errors and/or relative movements are to be expected because of possible deformations of the building element, in particular tilting and/or sliding movements. The bearing block (12) has a load receiving part (16) to be secured on the bearing body (14) or the building element (10) and a supporting part (18) which rests on the load receiving part (16). The bearing block (12) is characterised in that at least one layer of balls (48) is provided between the load receiving part (16) and the supporting part (18), and in that preferably at least one anchoring arrangement (50) is provided which allows for alignment errors or relative movements within predetermined limits, but which prevents the load receiving part (16) and the supporting part (18) from accidentally separating from each other.

Probable Assignee: CORTS JOCHEN

Earliest Publication Date: 19940511



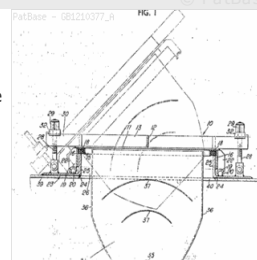
28) Family number: 720076 (GB1210377A)

VENTILATORS

Abstract: Source: GB1210377A 1,210,377. Ventilators. TURNBULL MARINE DESIGN CO. Ltd. 8 Nov., 1967, No. 50907/67 Heading F4V. A roof ventilator mounted over an opening 40 in a ship's hatch 39 comprises a square frame 23 welded to the hatch, a square metal cover 10 supported on a pair of pivot-pins 20 on each of two opposite sides of the cover and rotatable about either pair of pins to an open position by tightening of a nut 29 on a bolt 28 pivoted to the frame 23 and by disconnection of the other bolt 28. The bolts 28 are received in the recesses of U-shaped members 30 welded to the cover 10. Two deflector plates 34 secured to the cover 10 are provided with louvres 37 and a stop-bar 35, and with wire mesh grilles between opposite edges of the plates.

Probable Assignee: TURNBULL MARINE DESIGN

Earliest Publication Date: 19701028



29) Family number: 17587993 (DE8802981U1)

Abstract: Source: DE8802981U1 (Claim 1) 1. abfallsammelbehälter, insbesondere fuer im Haushalt anfallenden, verrottbaren Abfall mit vier Seitenwänden, einem unteren Boden, einer durch einen schwenkbaren Deckel verschliessbaren oberen Einfüllöffnung und mit einem mit Durchbrechungen versehenen Zwischenboden, d g e k e n z e i c h n e t, dass der Zwischenboden (16) in einem, bezogen auf die Höhe des Abfallsammelbehälters, geringen Abstand zum Boden (15) angeordnet und wenigstens an zwei einander gegenüberliegenden Bereichen fest mit den zugeordneten Seitenwänden (10) verbunden, ist, und dass zumindest unterhalb des Zwischenbodens (16) eine oder mehrere Belüftungsoöffnungen (17,22) vorgesehen sind.

Machine translation: (Claim 1) 1 abfallsammelbehälter, especially for the household incurred, putrescible waste with four side walls, a lower floor, a closable by a hinged lid top fill opening and a dgekennzeichnet with perforations marked shelf, that the intermediate bottom (16) in relation to the height of the Abfallsammelbehälters, low ground clearance (15) arranged and fixed at least at two gegenüberliegenden areas with the associated side walls (10) connected, and that are provided, at least below the false floor (16) one or more Belueftungsoöffnungen (17.22).

Probable Assignee: ACHTERBERG WILLEM JAN VEENENDAAL NL

Earliest Publication Date: 19880707

