

Search history

Search 1: SFT=(stack and box and vertical and horizontal) and IC=(B65D21/00) (Results 220)

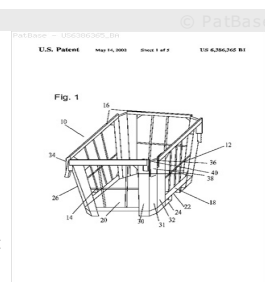
1) Family number: 23351706 (US6386365B)

NESTING STACKING CRATE

Abstract: Source: US6386365B A nesting stacking crate comprises a base member and upwardly outwardly flaring collapsible side walls and end walls, as well as semi-hexagonal corner members, all terminating at the top in a top rim. Attached to the top end of each hexagonal corner member is a stacking-support member consisting of a support housing, preferably shaped substantially like a capital H, and a support blade hingedly connected thereto which flips about the crossbar of the H, between a nesting condition and a stacking condition. In the nesting condition, the blades are rotated outwardly downwardly and lie extrinsic to the interior of the crate, thus allowing another like crate to be nested inside. In the stacking condition they are rotated inwardly horizontally pointing generally diagonally towards the opposite corner of the crate. In that condition the support blades provide a support base for another like crate to be stacked on top for transportation and storage of goods. In such condition the hexagonal corners absorb the weight of the stacked crate, the corners being stronger than conventional half-square corners. Preferably, the base has, attached to its lower surface, hollow feet adapted to receive the blades of a forklift truck, and such feet have indentations adapted to receive the support blades of a crate beneath when the latter is in the stacking condition.

Probable Assignee: TAN HONG SIN

Earliest Publication Date: 20020514



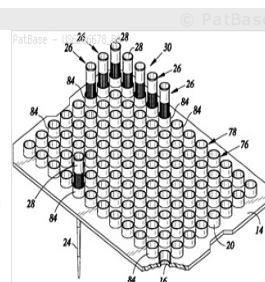
2) Family number: 15381183 (US6286678B)

REFILL PACK FOR PIPETTE TIP RACKS AND IMPROVED PIPETTE TIP SUPPORT PLATE FOR USE IN SUCH PACKS AND RACKS

Abstract: Source: US6286678B A refill pack of light weight low mass material containing an array of replacement pipette tips for a reusable tip rack. The refill pack comprises a support plate with an array of holes containing pipette tips arranged in an organized manner and including a guide for centering and guiding the support plate onto the tip rack with distal portions of the pipette tips aligned with corresponding holes in an organizing tray in the tip rack, the support plate including vertically extending lateral support means adjacent at least some of the holes in the plate to engage sides of the pipette tips to laterally support such tips against lateral rocking on the plate.

Probable Assignee: RAININ INSTRUMENT LLC

Earliest Publication Date: 20000908



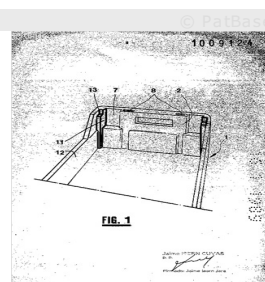
3) Family number: 17209035 (ES1009124Y)

CAJA APILABLE-ENCAJABLE MEJORADA.

Abstract: Source: ES1009124U CAJA APILABLE-ENCAJABLE MEJORADA, DEL TIPO CONFIGURADA POR UN RECIPIENTE CONTENEDOR DE MATERIAL MOLDEADO, DE FORMA PARALELEPIPEDICA RECTA RECTANGULAR, PROVISTA EN AMBOS TESTEROS ENFRENTADOS Y EN SU MITAD INFERIOR, DE DOS SALIENTES DISTANCIADOS ENTRE SI, Y EN LA MITAD SUPERIOR DE DICHOS TESTEROS Y EN SU CARA INTERNA, DE UNOS ALOJAMIENTOS DESPLAZADOS CON RESPECTO A ESTOS SALIENTES, ENCONTRANDOSE CADA UNO DE LOS SALIENTES DE LA MITAD INFERIOR DE UN LATERAL Y CADA UNO DE LOS ALOJAMIENTOS DE LA MITAD SUPERIOR DEL LATERAL ENFRENTADO, SITUADOS SOBRE CORRESPONDIENTES LINEAS VIRTUALES QUE CRUZAN EN DIAGONAL POR EL CENTRO GEOMETRICO DE LA CAJA, CARACTERIZADA ESENCIALMENTE PORQUE EL TESTERO QUE PRESENTA LOS SALIENTES DE SU CARA EXTERNA EN UNA POSICION MAS PROXIMA ENTRE SI, COMPRENDE EN LOS ANGULOS FORMADOS POR DICHO TESTERO Y LOS COSTADOS LONGITUDINALES DE LA CAJA, SENDOS PILARES PRISMATICOS CUYA ALTURA NO ALCANZA LA EMBOCADURA DE AQUELLA, CONSTITUYENDO LOS EXTREMOS DE DICHOS PILARES RESPECTIVOS APOYOS PARA LAS ESQUINAS DEL FONDO DE LA CAJA INMEDIATA SUPERIOR, APILADA EN CARGA. Stackable-nestable box improved, OF THE TYPE FORMED BY A CONTAINER MOLDED MATERIAL, OF RECTANGULAR PARALLELEPIPED SHAPE straight, PROVIDED AT BOTH ENDS IN ITS LOWER HALF, of two projections facing each other and spaced from each other, AND IN THE UPPER HALF OF SAID END WALLS AND ON ITS INNER FACE, HOUSINGS DISPLACED WITH RESPECT TO THESE PROJECTIONS, EACH ONE OF THE PROJECTIONS OF THE BOTTOM HALF OF ONE SIDE AND EACH OF THE HOUSINGS OF THE UPPER HALF OF THE SIDE FACING, LOCATED ON CORRESPONDING virtual lines that cross DIAGONALLY THROUGH THE GEOMETRIC CENTER OF THE BOX, essentially characterized in that the end wall HAVING THE PROJECTIONS ON ITS OUTER FACE IN A POSITION CLOSER TO EACH OTHER, comprises in The angles formed by said END WALL AND THE LONGITUDINAL SIDES OF THE BOX, two separate prismatic pillars WHOSE HEIGHT DOES NOT REACH THE MOUTH OF THAT, CONSTITUTING THE ENDS OF SAID PILARS SUPPORTS FOR RESPECTIVE CORNERS OF THE BOTTOM OF THE BOX IMMEDIATELY ABOVE, stacked under load.

Probable Assignee: OAK S A

Earliest Publication Date: 19890716



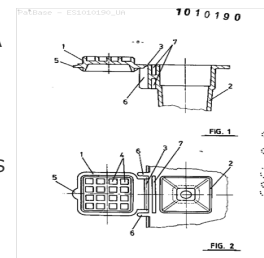
4) Family number: 17218270 (ES1010190Y)

DISPOSITIVO APLICABLE A CONTENEDORES APILABLES Y ENCAJABLES.

Abstract: Source: ES1010190U DISPOSITIVO APLICABLE A CONTENEDORES APILABLES Y ENCAJABLES, CARACTERIZADO POR LA PREVISION DE UNA TAPETA DE CIERRE ARTICULADO SITUADA EN CADA EMBOCADURA DE LAS PATAS HUECAS DE QUE EN CADA CASO CONSTE EL CONTENEDOR AL QUE SE APLIQUE EL DISPOSITIVO CUYA TAPETA FORMA UN MISMO CUERPO CON ESTE ULTIMO, FACILITANDO SU GIRO UN REBAJO LONGITUDINAL CUYA DISMINUCION DE GROSOR CONSTITUYE UN MEDIO ABISAGRADO PARA POSIBILITAR LA COLOCACION DE LA TAPETA EN POSICION CERRADA O DE APILADO, Y ABIERTA O DE ENCAJADO. Device APPLICABLE TO CONTAINERS Stackable and nestable, CHARACTERIZED BY THE PROVISION OF A FLAP CLOSURE ARTICULATED LOCATED AT EACH MOUTH OF THE HOLLOW LEGS THAT IN EACH CASE THE CONTAINER TO WHICH THE DEVICE IS APPLIED WHOSE PLACKET FORM A SINGLE BODY WITH THE LATTER, facilitating its rotation A LONGITUDINAL RECESS WHICH DECREASE OF THICKNESS CONSTITUTES A HINGING MEANS TO ALLOW PLACEMENT OF THE FLAP IN THE CLOSED POSITION OR stacking, and open or plugged in.

Probable Assignee: ARAVEN S A

Earliest Publication Date: 19891201



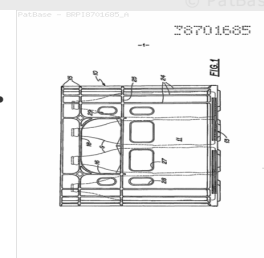
5) Family number: 197274 (BRPI8701685A)

CAIXA PARA ACONDICIONAMENTO E TRANSPORTE DE GARRAFAS BOX FOR PACKAGING AND TRANSPORT OF BOTTLES (MACHINE TRANSLATION)

Abstract: Source: BRPI8701685A tss l« I • (• ss | ss ss« t l • « » 1 ••• t l 4 «4 r • » ss « •••• # •••• itss i • » i • j ss ? - A 4ss RESUMO Patente de Invencao de "CAIXA PARA ACONDICIONAMENTO E TRANSPORTE DE GARRAFAS". Descreve-se uma caixa adequada para o a- 5 condicionamento e transporte de garrafas, a qual e for mada por paredes (11, 12), fundo (13) e divisorias in- ternas (14) que definem compartimentos para acomodacao individual das garrafas (G), sendo as paredes transver sais e longitudinais providas de amplas aberturas (16, 10 17), abas (15) voltadas para fora, na parte superior, nervuras (20) no fundo (13), nervuras internas (26) dispostas verticalmente e nervuras externas (24) nos cantos ou arestas verticais da caixa, que sao fortemen te arredondados. As aberturas amplas (16, 17) aprenen 15 tam-se circundadas por aberturas menores (27, 28, 29) e definem em conjunto com as abas (15) alcas ou empu- nhaduras (18, 19) respectivas.

Probable Assignee: PISANI PLASTICOS SA

Earliest Publication Date: 19881025



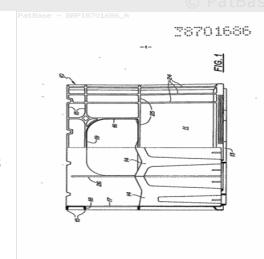
6) Family number: 197275 (BRPI8701686A)

CAIXA PARA ACONDICIONAMENTO E TRANSPORTE DE GARRAFAS BOX FOR PACKAGING AND TRANSPORT OF BOTTLES (MACHINE TRANSLATION)

Abstract: Source: BRPI8701686A e>6SE>2 1/00 RESUMO Patente de Invencao de "CAIXA PARA ACONDI CIONAMENTO E TRANSPORTE DE GARRAFAS". Descreve-se uma caixa adequada para o a- 5 condicionamento e transporte de garrafas, formada por paredes (11, 12), fundo (13) e divisorias internas(14) que definem compartimentos para acomodacao individual das garrafas, sendo as paredes transversais e longitu- dinais providas de amplas aberturas (16, 17), abas (15) 10 voltadas para fora na parte superior, nervuras (20) na parte de fundo, nervuras internas (26) dispostas verti calmente e nervuras verticais externas' (24) nos cantos ou arestas verticais que sao fortemente arredondados. As aberturas amplas (16, 17) definem, em conjunto com 15 as abas voltadas para fora (15) alcas ou empunhaduras (18, 19) e meios para visualizacao clara e objetiva do conteudo da caixa, a qual e empilhavel de forma cruza- da ou travavel. And>> 1/2 lbs 6 00 SUMMARY of Invention patent "BOX to OPERATION and transportation of BOTTLES ACONDI." describes a box suitable for the conditioning and transport of 5 bottles, formed by walls (11, 12), (13) and internal partition (14) that define individual accommodation compartments for bottles, being transverse walls and dinais with large longitu-openings (16, 17), wings (15) 10 turned out at the top, ribbed (20) on the bottom, internal ribbing (26) arranged verti calmente and vertical external veins ' (24) in the corners or vertical edges are heavily rounded. large openings (16, 17) define, in conjunction with 15 tabs facing out (15) handles or grips (18, 19) and means for viewing clear and objective of the contents of the box, which empilhavel and so it crosses the or travavel.

Probable Assignee: PISANI PLASTICOS SA

Earliest Publication Date: 19881025



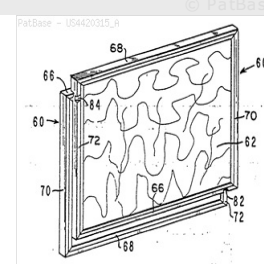
7) Family number: 2394997 (US4420315A)

NESTING AIR FILTERS

Abstract: Source: US4420315A This invention provides an improved construction for air filters wherein the filter frame is provided with indentations or recesses adjacent to its opposite corners which allow a plurality of filters to nest together in a laterally offset relationship to conserve space. The invention can be employed with an air filter including a filter element of fibrous material and a frame for supporting the filter element at its marginal edges. Preferably, a set of recesses is formed in the filter frame at positions adjacent to its diagonally opposite corners. Each recess is adapted to receive the frame of another air filter to permit the filters to nest together in a laterally offset relationship for shipment or storage. The air filters are arranged in a stack with alternate filters in the stack diagonally displaced relative to the remaining air filters. The recesses permit each air filter to be nested with one or both of its neighbors.

Probable Assignee: KERSHAW ELI J

Earliest Publication Date: 19811015



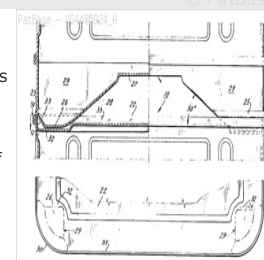
8) Family number: 29475153 (US4485924A)

SQUARE STACKABLE AND PALLETIZABLE DRUM

Abstract: Source: US4485924A A stackable drum as disclosed. At one edge of the top, a water collecting channel is defined having outlet holes communicating with it. The walls of the drum are reinforced. A skirting on the bottom of the drum is received within the lip of the drum beneath. The top, bottom and side walls are adapted to cooperate, when a plurality of such drums are stacked vertically, to pass the weight of an upper drum directly through the rim of the top, through the walls and bottom, and into a third drum stacked below it. A cap seal is applied atop the lid of the drum. It is in the form of a closed pan, with a stopper in it.

Probable Assignee: ANGEL RIPOLL LAS CARTAGENA SPA

Earliest Publication Date: 19800501



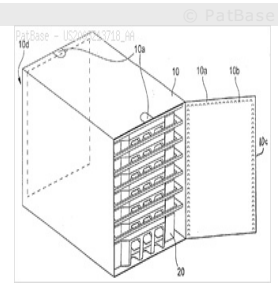
9) Family number: 29736512 (US2003213718A)

NESTABLE, HEATABLE, AND STACKABLE TRAYS FOR INDUSTRIAL CATERING

Abstract: Source: US2003213718A A method for conveniently and hygienically providing warmed food items in a catering location, while reducing handling of such items. The method includes providing a packaged tray assembly of a plurality of individual trays that are adapted to accommodate a series of food items, the trays being ovenable and being arranged in at least one stack or a stacked orientation which has a predetermined compact size and shape that fits at least in at least part of a cavity of an oven at a catering location, wherein the stacked orientation also provides spaces to promote hot air circulation inside the trays for uniform heating of the food items. The method allow frozen cooked or pre-cooked food products to be packaged and transported from a manufacturing location to a catering location where they are reheated in stackable trays for packaging, transport and reheating, which can be nested inside each other after use. The trays are preferably designed with sloped portions and openings allowing the products or food items to be uniformly reheated.

Probable Assignee: NESTEC SA

Earliest Publication Date: 20031012



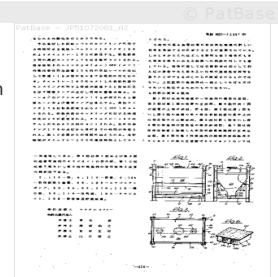
10) Family number: 30419674 (JP51072081A)

FUNTAIISOCHOZOSOCHI OYOBI FUNTAITORIATSUKAISUCHIHENO FUNTAIKYOKYUSOCHI

Abstract: Source: DE2452022A1 (Claim1) Geraet zum Transportieren und Lagern von Pulver oder dergl, mit einem aus Streben (8,12,14,16) gebildeten Gestell (2) und einem am Gestell gelagerten Behaelter (4), der mindestens eine Oeffnung (32,34,36) zum Einfuellen und Entnehmen vonPulver aufweist. An angle iron frame is made up from four corner uprights with horizontal spacers and struts. Feet and top locators are provided for ease of stacking. A funnel shaped container is fixed inside the frame and fitted with a removable cover. Three openings in this cover are provided; one for filling and one giving access for a vibrator. The powder is removed through the third opening by an air jet acting as a pump up a tube. The bottom of the container has an air space covered by a permeable material. Compressed air fed into the space fluidises the powder for removal.

Probable Assignee: OFNER MAX 7250 LEONBERG

Earliest Publication Date: 19751117



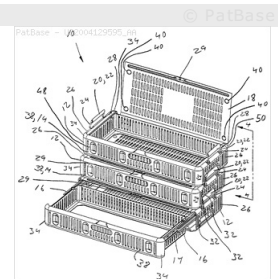
11) Family number: 30715104 (US2004129595A)

ORTHOPAEDIC INSTRUMENT STERILIZATION CASE

Abstract: Source: US2004129595A A sterilization case assembly including a plurality of sterilization cases having a first sterilization case and a second sterilization case. The second sterilization case is stacked upon the first sterilization case in a vertical direction. The second sterilization case is offset from the first sterilization case in a direction transverse to the vertical direction.

Probable Assignee: SYMMETRY MEDICAL INC

Earliest Publication Date: 20040708



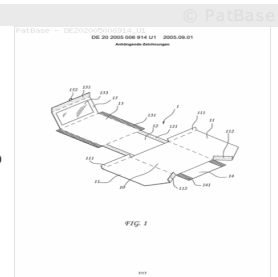
12) Family number: 32180669 (DE202005006914U1)

COLLAPSIBLE STORAGE BOX HAS TWO PENTAGONAL SIDES CONNECTED BY BASE AND LOWER FRONT WALL, FOUR-SECTION FLAP BEING BROUGHT FORWARD TO CLOSE BOX, WHICH IS HELD TOGETHER BY HOOK-PILE FASTENERS

Abstract: Source: DE202005006914U1 The collapsible storage box has two pentagonal sides (11). These are connected by a base (10) and lower front wall (14). A four-section flap (12, 131, 15, 151) can be brought forward to close the box, which is held together by hook-pile fasteners (121, 131, 141, 151).

Probable Assignee: WANG WEN TSAN

Earliest Publication Date: 20050728



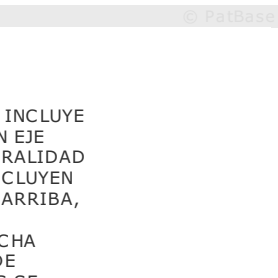
13) Family number: 33503021 (CO4520127A)

CAJA O EMBALAJE APILABLE DE PROFUNDIDAD BAJA PARA LA RETEN- CION Y EL TRANSPORTE DE BOTELLAS

Abstract: Source: CO4520127A UNA CAJA APILABLE PARA LA RETENCION Y EL TRANSPOR- TE DE BOTELLAS QUE INCLUYE PAREDES LATERALES EXTE- RIORES QUE FORMAN UNA CONCHA EXTERIOR QUE TIENE UN EJE LONGITUDINAL Y UN EJE HORIZONTAL, UN FONDO DE CAJA DISPUESTO SUSTANCIALMENTE DENTRO DE LA CONCHA EXTERIOR, Y UNA PLURALIDAD DE SOPORTES PARA SOPOR- TAR LAS SUPERFICIES EXTERIORES DE LAS BOTELLAS. LAS PAREDES LATERALES INCLUYEN UNA PORCION DE PA- RED INFERIOR Y UNA PLURALIDAD DE PILONES ESPACIA- DOS QUE SE PROYECTAN HACIA ARRIBA, DONDE LOS CUA- TRO PILONES DE ESQUINA DEFINEN LAS CUATRO ESQUINAS DE LA CAJA. UNA PLURALIDAD DE COLUMNAS ESPACIADAS QUE SE PROYECTAN HACIA ARRIBA GENERALMENTE DISPU- ESTAS DENTRO DE LA CONCHA EXTERIOR DEFINE, EN COM- BINACION CON EL FONDO DE LA CAJA, LAS PAREDES LA- TERALES Y LAS PAREDES DE EXTREMO, UNA PLURALIDAD DE BOLSILLOS O CASILLAS DE RETENCION DE BOTELLAS. LAS COLUMNAS Y PILONES SE EXTIENDEN POR ENCIMA DE LAS PORCIONES DE PARED INFERIOR Y POR DEBAJO DE U- NA SUPERFICIE SUPERIOR DE LAS BOTELLAS RETENIDAS. POR LO MENOS UNA DE LAS PAREDES LATERALES INCLUYE UN LOGOTIPO MOLDEADO INTEGRALMENTE LA FUENTE DE LOS BIENES. FIGURA 1

Probable Assignee: REHRIG PACIFIC CO

Earliest Publication Date: 19961230



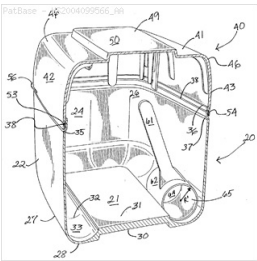
14) Family number: 44215312 (US2004099566A)

CONTAINER

Abstract: Source: US2004099566A A container for housing granulated products is disclosed. The container has a box portion having a recessed base, a front wall, a back wall, and opposing side walls, a closure adapted to be releasably sealed on the box portion, and a circumferential channel in the box base. The channel is adapted to receive a scoop bucket so that the contents of the container can be easily removed.

Probable Assignee: MEAD JOHNSON NUTRITION CO

Earliest Publication Date: 20040527



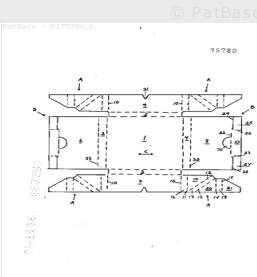
15) Family number: 5440454 (FI863259A)

FOERPACKNING.

Abstract: Source: FI75780B Keksinnöen kohteena on aaltopahvipakkaus halkasijaan naehden litteaeksi kiepiksi kiedotun jatkuvan tavarän pakkaamiseksi. Pakkaus koostuu yksiosaisesta aihioista, jossa on oleellisesti nelioemäinen pohjakenttäe (1), pohjakentän kuhunkin reunaan liittyvät pystyseinaekentäet (2,3,4,5), joiden leveys vastaa oleellisesti pakattavan kiepin korkeutta, kahteen vastakkaiseen pystyseinaekentäeäen (3,5) liitetyt alapuoliset kansielementtikentäet (7,9) sekä peitekansikentäet (6,8), jotka kansikentäet (6,7,8,9) on jaerjestyttö toisiinsa lukittuviksi pakkausta koottaessa. Pakkauksen alapuolisten kansielementtikenttien (7,9) jatkeeksi on liitetty, oleellisesti niiden levyisinae, taittonuuttauksilla (10) kulmatukiliuskat (A), joista on taittonuuttauksilla (11,12,13,14) erotettu ainakin seuraavat leveydeltaeäen oleellisesti pakkaustilan korkeutta vastaavat kentäet; alapuolisen kansielementtikentäen (7,9) ulkoneman suuntainen ensimmäinen tukikentäe (16), taemaen ulkonemapaeäestae 45 degrees kulmassa kulkeva toinen tukikentäe (17) sekä taemaen sisaepuolisesta paeäestae ensimmäisen tukikentäen (16) suuntaisena kulkeva kolmas tukikentäe (18), jolloin tukikenttien väeliin jaeae tasakylkisen kolmion muotoiset sidekentäet (19,20). Uppfinningen avser en wellpappsfoerpackning foer inpackning av en till ett i foerhallande till sin diameter platt knippe upplindad kontinuerlig vara. Foerpackningen består av ett endelat aemne, som uppvisar ett vaesentligen kvadratisk bottenfaelt (1), till var och en av bottenfaeltets kanter anslutna vertikalvaeggfaelt (2,3,4,5), vilkas bredd vaesetligen motsvarar hoejden av det foerpackade knippet, till två motsatta vertikalvaeggfaelt (3,5) anslutna undre lockaemnesfaelt (7,9) samt taecklocksfaelt (6,8), vilka locksfaelt (6,7,8,9) aer anordnade att fastlasas vid varandra vid foerpackningens uppraettande. Sasom foerlaengning av foerpackningens undre lockaemnesfaelt aer medelst vikningsfalsar (10) anslutna hoernstoedsflikar (A) med vaesentligen de undre lockaemnesfaltens bredd, vilka hoernstoedsflikar medelst vikningsfalsar (11,12,13,14) aer uppdelade i atminstone foeljande faelt med en bredd vaesentligen mostvarande foerpackningsutrymmets hoejd; ett med det undre lockfaeltets (7,9) utskjutriktning parallellt foersta stoedfaelt (16), ett i dettas utskjutande i 45 degrees vinkel loepande andra stoedfaelt (17) samt ett fran dettas inre aende, parallellt med det foersta stoedfaeltet (16) loepande tredje stoedfaelt (18), varvid mellan stoedfaelten kvarblir bindfaelt (19,20) med ett form av en likbent triangel.

Probable Assignee: METSAE SERLA OY

Earliest Publication Date: 19880212



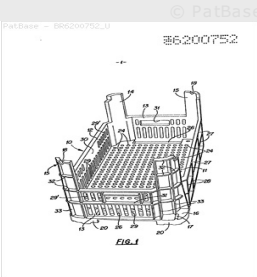
16) Family number: 619955 (BR6200752U)

RECIPIENTE VAZADO EMPILHABEL
HOLLOW CONTAINER EMPILHABEL (MACHINE TRANSLATION)

Abstract: Source: BR6200752U I • I • • • • • » • • • • • I :: ss • # • • • • • «1ss1 • • • • • IM • • • • • • • • • • • RESUMO Patente de Modelo de Utilidade de "RECI- PIENTE VAZADO EMPILHABEL". Um recipiente empilhavel, vazado, compre- 5 ende um corpo paralelepipedico (10) definido por pare- de de fundo ou base (11), paredes longitudinais (12), paredes transversais (13) e partes de coluna (14, 15) com nervuras de reforco (22, 23, 27, 29) e vazadas por orificios (24) e rasgos oblongos (29, 29'), sendo dois 10 dos cantos (14) diagonalmente opostos recuados em re- lacao as bordas ou cantos da base, de modo a permitir o encaixe mutuo de dois recipientes semelhantes (10A, 10B) para formar um engradado ou caixa vazada. I • I • • • • • • • • • • • ' • • • • • i:: ss • • • • • «1 ss 1 • • • • • IM • • • • • • • • • • • SUMMARY patent of utility model "RECI-TAINER LEAKED EMPILHABEL" • a container empilhavel, leaked, buy 5 ende a paralelepipedico body (10) set by stop-or base (11), longitudinal walls (12), (13) walls and column parts (14, 15) ribbed backup (22, 23, 27, 29) and castings for holes (24) and oblong tears (29, 29 '), and 2 10 corners (14) diagonally opposite indented in re-lacao the edges or corners of the base, in order to allow mutual fitting of two similar containers (10A, 10B) to form a crate or box leaked.

Probable Assignee: PISANI PLASTICOS SA

Earliest Publication Date: 19840103



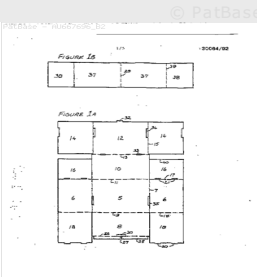
17) Family number: 8370168 (NZ240931A)

CARTON ERECTABLE FROM BLANK INCLUDING AT OR NEAR EDGES BETWEEN ITS FACES
PROVISION FOR CONNECTION TO A CARTON OF THE SAME TYPE

Abstract: Source: AU667696B (Claim 1) 1. A stackable container of rectangular cuboid configuration, erected from a packaging element, comprising at least one front opening lid portion, there being provided along the top edge of the vertical sides adjacent the lid at least one upwardly directed male member capable of interacting with a vertically aligned and complementary female portion positioned at the lower edge of said sides, on an identical and vertically adjacent container, the arrangement being further characterised in that the top panel portion is flanked by side panel portions which fold downwardly to lie substantially co-extensive with said vertical sides adjacent the lid.

Probable Assignee: BLACKMAN STEPHEN BRUCE

Earliest Publication Date: 19930617



18) Family number: 9074553 (US5447234A)

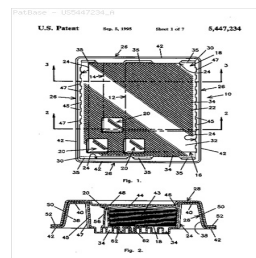
RECYCLABLE/REUSABLE CONTAINERS FOR PACKAGING GRAPHICAL SHEET MATERIALS



Abstract: Source: US5447234A Photographic film, paper, etc. in sheet form is packaged in recyclable containers or cases for reuse by returning to suppliers for filling. Containers obviate disposal problems and high costs associated with customary two-part set-up box and interior padding. Plastic cases comprise a base section in the form of a tray-like structure with an open bed for a film stack, etc. Case has built-in structural features for rigidity, crush resistance, impact protection, and air, dust and light tight seal when used with a cover section. Such environmentally friendly designs are suitable as low cost, reusable one-size plastic containers for packaging standard size sheet products. For packaging special, less frequently called-for size films, papers, etc., interiors may be made infinitely adjustable with rows of parallel channels for placement of at least one chocking element.

Probable Assignee: EASTMAN KODAK CO

Earliest Publication Date: 19940514



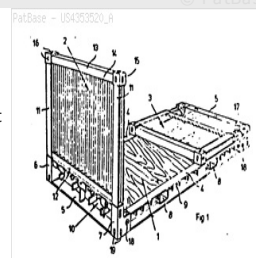
19) Family number: 1561031 (US4353520A)

LARGE OPEN CARRIER WITH A FOLDABLE CARGO SUPPORTING WALL

Abstract: Source: US4353520A PCT No. PCT/SE79/00111 Sec. 371 Date Jan. 18, 1980 Sec. 102(e) Date Jan. 18, 1980 PCT Filed May 18, 1979 PCT Pub. No. WO79/01117 PCT Pub. Date Dec. 27, 1979. The present invention relates to an apparatus in large open goods carriers, so called container-flats, which display a loading plane (1) and at least one wall unit (2, 3), for example an end wall unit, which is fixedly retained in the loading plane for pivotal switching from a rest position, in which the wall unit (2, 3) is located in or parallel with the loading plane (1), and a working position, in which the wall unit (2, 3) makes substantially a right angle with the loading plane (1). The anchorage of the wall unit (2, 3) consists of a hinge means with a shaft in or on which one end of at least one torsion bar (20, 21) is disposed in a non-rotary manner, the torsion bar extending longitudinally with the pivotal shaft (18) of the pivotal wall unit (2, 3), the other end of the torsion bar (20, 21) being disposed in a non-rotary manner in the loading plane (1), and that the torsion bar (20, 21) is tension-free in a position on the wall unit (2, 3) between its rest position and working position.

Probable Assignee: LANDSKRONA PRODUKTION AKTIEBOLAG

Earliest Publication Date: 19791126



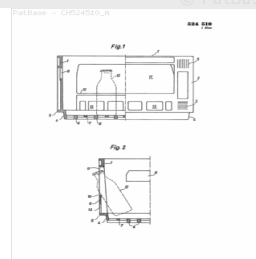
20) Family number: 176082 (CH524510A)

STAPELBARER FLASCHENTRANSPORTKASTEN AUS KUNSTSTOFF STACKABLE BOTTLE BOXES MADE OF PLASTIC (MACHINE TRANSLATION)

Abstract: Source: CH524510A [Source: Claim 1] 1. Flaschentransportkasten nach Patentanspruch, dadurch gekennzeichnet, dass die bodenseitige Begrenzung des Kasteninneren als Halterand (4) ausgebildet ist und die Hoehe der Seitenflaeche (9) bis zur Seitenflaechenoberkante (10) etwa das zweieinhalbfache der Hoehe des Halterandes (4) betraegt. [Source: claim 1] 1 bottle boxes of patent claim, characterised in that the floor-side limit of the inside of the box as a retaining edge (4) is formed and the height of the side surface (9) until the top of the page area (10) about the times of the height of the mounting rim (4) is.

Probable Assignee: SCHOELLER ALEXANDER DIPL ING

Earliest Publication Date: 19720630



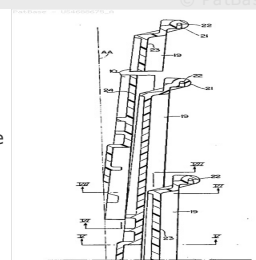
21) Family number: 24047378 (US4688675A)

NESTING BOX WITH REDUCED LID FLARES

Abstract: Source: US4688675A In a plastic molded tote box having one lid or opposed lids that will shingle with other lids in the open position when the box and like boxes are nested, the maximum horizontal dimension for the shingled lids, as measured outwardly from the adjacent box side wall (lid flare), is reduced by tapering the lid rib structure toward the hinge, and/or by tapering the outboard lid skirt toward the hinge, and/or by flaring one or more lid flanges, particularly the inboard flange. The latter two structural features permit increased nesting of the lid side skirts or channels, which in the closed position of the lid overlies the box side walls.

Probable Assignee: BUCKHORN MATERIAL HANDLING

Earliest Publication Date: 19870825



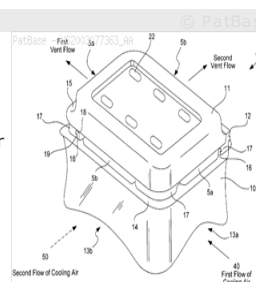
22) Family number: 28720277 (US2003077363A)

PRODUCE PACKAGING SYSTEM HAVING PRODUCE CONTAINERS WITH DOUBLE-ARCHED BOTTOM VENTILATION CHANNELS

Abstract: Source: US2003077363A A produce packaging system incorporates a tray for receiving a plurality of produce carrying baskets. The baskets each include upper ventilation slots and lower ventilation channels. The lower ventilation channels are formed by arching the bottoms of the baskets to form transversely oriented channels in the bottoms of the baskets configured to enable bi-directional cooling airflow to pass underneath the baskets in at least two transverse directions. Bi-directional airflow is also achieved in the upper portion of the baskets through the ventilation slots. The trays are configured such that, when the baskets are loaded into the trays, the upper ventilation slots and the lower cooling channels are aligned with sets of cooling vents in the trays thereby facilitating efficient cooling of produce contained in the baskets.

Probable Assignee: SAMBRAILO PACKAGING INC

Earliest Publication Date: 19970731



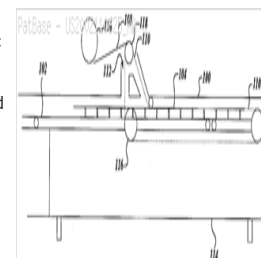
23) Family number: 29750624 (US2002110625A)

CONTINUOUS PACKAGING IN ENCLOSED CONDUITS

Abstract: Source: US2002110625A The invention relates to a package having a first web defining a cavity and a second web bonded to the first web, wherein the second web includes microperforations at a location that is specific to minimize the escape of liquids from the cavity to the exterior of the package. In one particular embodiment, the first web defines a four sided cavity with walls and corresponding flaps attached to the walls that can be folded and bonded to the cavity walls. The second web is an overwrapping lidding web, wherein microperforations are provided on the web material so that the microperforations are aligned with a flap recess, which in turn is in communication with the interior of the tray cavity. In this manner, suitable gas exchange can occur with minimal to no escape of liquids from the tray cavity.

Probable Assignee: SAFEFRESH TECHNOLOGIES LLC

Earliest Publication Date: 20010503



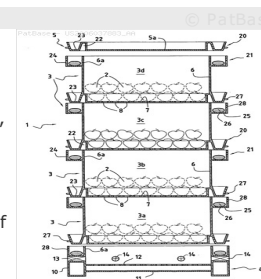
24) Family number: 30590216 (US2006037883A)

PALLETIZABLE CONTAINER FOR PRESERVING AND TRANSPORTING AGRICULTURAL OR HORTICULTURAL PRODUCTS

Abstract: Source: US2006037883A The invention concerns a palletizable container for preserving and transporting, in a controlled atmosphere and under a controlled pressure, produce (plant material, cheese, microorganisms, seeds, substrates, etc) requiring a particular atmosphere during storage, the container comprising a first portion that is completely impermeable to gas and vapor and a second portion in the form of a member (12, 13, 14) controlling the flow of gas and vapor between the inside of said container and the outside, the first portion comprising a rigid bottom element (4), a side element and a rigid cover element (5), said elements being capable of being connected together in a sealed manner, and the second portion being integrated into the bottom element (4), the container being characterized in that the side element is constituted by the peripheral walls (6) of a plurality of rigid stackable intermediate elements (3), each intermediate element being in the form of a case having an open upper portion and an openwork bottom (7), said case being capable of containing loose produce or packed or semi-packed produce, the bottom element (4), the intermediate elements (3), and the cover element (5) including connection means (20, 21) for fastening and providing a seal between a lower element and an immediately superior element.

Probable Assignee: GALINI ASSOCIATES LTD

Earliest Publication Date: 20040521



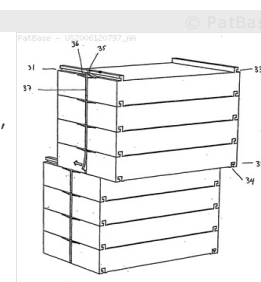
25) Family number: 30904966 (US2006120797A)

CONNECTION DEVICE

Abstract: Source: US2006120797A The invention regards a connection device for connecting objects. The connection device comprises a first elongated element (11,31) with a first groove (13, 33) and a locking portion (15, 35), a second elongated element (12, 32) with a second groove (14, 34) and a through hole, a spring member (16, 36) and a pin (17, 37) connected to the spring member, and an actuating member (18) adapted for actuating the spring member and moving the pin.

Probable Assignee: PRAKTISK TEKNOLOGI AS

Earliest Publication Date: 20040830



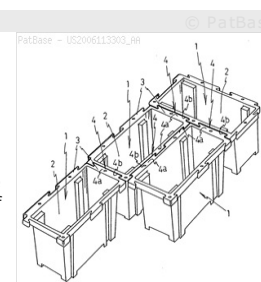
26) Family number: 31777456 (US2006113303A)

ARTICLE STORAGE CASE

Abstract: Source: US2006113303A It is an object of the present invention to obtain in an inexpensive manner a case that allows adjacent cases to be connected to each other, and to provide an article accommodating case that can easily be recycled. In order to achieve this object, an article accommodating case 1 having the shape of a rectangular solid that has an opening 2 at the top is formed, this article accommodating case being characterized in that flanges 3 that protrude outward are formed on the outside surfaces of the opening edges of the respective side walls 1 a, 1 a, 1 a, 1 a, and the respective coupling elements of dovetail projections 4 a and dovetail grooves 4 b of dovetail coupling means 4 are formed in the flanges 3 of the side walls 1 a, 1 a that face each other.

Probable Assignee: HURUTA YOSHIHISA

Earliest Publication Date: 20050331



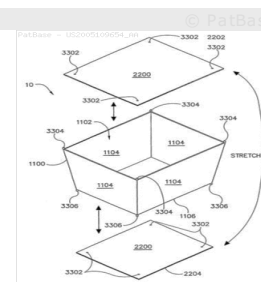
27) Family number: 31903578 (US2005109654A)

NESTABLE CONTAINERS WITH REVERSIBLY DEFORMABLE CLOSURES

Abstract: Source: US2005109654A Embodiments include nestable containers and reversibly deformable closures for the containers that are disposable in the nested arrangement. For example, materials and methods are described for making and using a food storage apparatus having food storage containers and closures for the containers, the food storage apparatus including a plurality of nested food storage containers each having an opening, and a plurality of reversibly deformable closures for covering the openings, with the containers being nestable with each other with one of the closures disposed between each nested container.

Probable Assignee: HERBERT CURTIS

Earliest Publication Date: 20050519



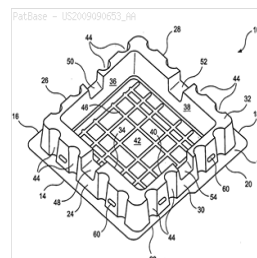
28) Family number: 31903591 (US2009090653A)

LOW COST WAFER BOX IMPROVEMENTS

Abstract: Source: US2009090653A The wafer box includes a tray (10) and a cover (62). The tray (10) includes an inner (34, 36, 38, 40) and outer (24, 26, 28, 30) wall configuration with horizontal semicircular channels (48, 50, 52, 54) therebetween to perform spacing, strengthening and horizontal shock-absorbing functions. The tray (10) further includes a wafer cavity (42) formed within the inner wall (34, 36, 38, 40). The wafer cavity (42) includes a lattice (46) of ridges on the floor thereof to provide a vertical shock absorbing function. The wall (76, 78, 80, 82) of the cover (62) engages and mates to the outer wall (24, 26, 28, 30) of the tray (10) thereby forming a double wall configuration. A pedestal configuration (90, 92) is formed on the corners and mid-spans of the top of the cover (62) to provide standoff clearance between the inter-stacked boxes to minimize or eliminate the transmission of shock and vibration through an inter-stack configuration.

Probable Assignee: ILLINOIS TOOL WORKS INC

Earliest Publication Date: 20050519



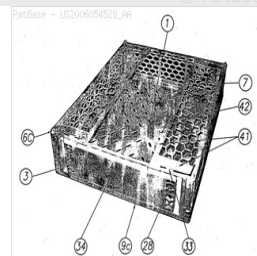
29) Family number: 32715972 (US2006054528A)

FOLDABLE PLASTIC BOX, ASSEMBLABLE, HAVING 5 CAVITIES, WITH OR WITHOUT FOLDING UPPER COVERS, TO CONTAIN AGRICULTURAL PRODUCTS

Abstract: Source: US2006054528A Box of 5 pieces or cavities made in plastic material, that comprises a base, greater and smaller walls, with or without upper covers, with hinged means that allow to lower the walls on the base in order to reduce the dimensions of the box and to adopt a storing position; and with press fit means of easy manipulation that allow to lock the walls permitting the box to adopt an using position, and to unlock the walls to lower them on the base. In addition the box to the present invention comprises rigid male/female means, that can be flattened, arranged in their upper corners of the greater walls, that allow to flatten the male protrusions in order to give an improved security in the process of stacking of pallets on finished product pallets, avoiding with it the risks of lateral failings of columns boxes and whole pallets. Besides, it provides more space in shelves in the market. Also, the box comprises greater and smaller walls slightly widened towards its corners that gives to it an improved resistance to support the diverse loads and stresses which are exerted to the box when it is being used, specially the ones generated in the stacking.

Probable Assignee: MANUFACTURAS METALURGICAS RHEEM CHILENA S A

Earliest Publication Date: 20050812



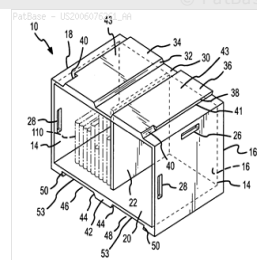
30) Family number: 32813269 (US2006076261A)

MODULAR AND TRANSPORTABLE BOOKSHELVES

Abstract: Source: US2006076261A In one embodiment of the present invention modules for both the display and transport of books are described. Each module of the one embodiment comprises an interlocking feature for coupling two modules together with an open side of the modules facing horizontally outwardly. The interlocking feature further permits a user to partially rest a upper module on the front portion of the topside of an underlying module to align and steady the potentially heavy upper module before coupling the modules. The one embodiment modules are also configured for being stacked together with the open side of the modules facing upwardly for transport.

Probable Assignee: KURTENBACH JOSEPH

Earliest Publication Date: 20060413



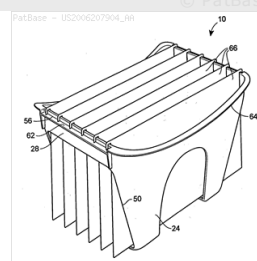
31) Family number: 33029078 (US2006207904A)

FILE HOLDER

Abstract: Source: US2006207904A A file holder including a base panel, opposed, spaced front and back walls extending generally upwardly from the base panel, and a pair of opposed side walls extending generally upwardly from the base panel and generally diverging away from one another. The file holder defines a storage space above the base panel and generally between the front and back walls and between the side walls, and the storage space is narrower near the base panel than near the top edges of the side panels. Each of the side walls includes a cut-out portion.

Probable Assignee: SANFORD LP

Earliest Publication Date: 20060919



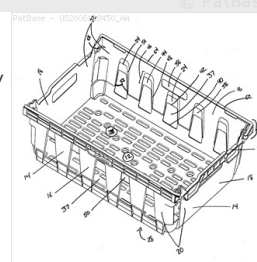
32) Family number: 33057569 (US2006118450A)

CONTAINER

Abstract: Source: US2006118450A A nestable container has a bottom and four peripheral walls extending upwardly from said bottom. At least a portion of the four peripheral walls extends outwardly from the container bottom such that the angle between said container bottom and said portion of said opposing side and end walls is obtuse. The four peripheral walls may include interior projections positioned substantially at a right angle to said bottom. Said container may further include a pair of bails and external projections positioned along said exterior surface of at least one of said peripheral walls. Said external projections may be positioned slightly inward of said interior projections, so that at least a portion of said external projections aligns with said interior projections when said container is stacked on said bails of an identical container.

Probable Assignee: ORBIS CANADA LTD

Earliest Publication Date: 20060608



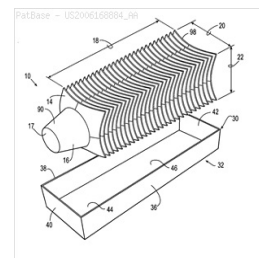
33) Family number: 33149530 (US2006168884A)

COMPRESSED PACKAGED ARTICLES AND METHODS OF MAKING, TRANSPORTING, SHIPPING AND USING SAME

Abstract: Source: US2006168884A The present invention relates, in general, to articles that are packaged in a compressed state relative to an uncompressed fully articulated state and methods of making and using same. In a specific embodiment, but not to be considered as limiting, the articles so packaged in a compressed state are plant covers that are either substantially rigid and/or substantially flexible.

Probable Assignee: FAMILY TRUST U T A 12 08 1995

Earliest Publication Date: 20060727



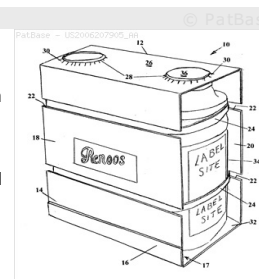
34) Family number: 33367330 (US2006207905A)

MULTISTRAP CONTAINER PACKAGE SYSTEM

Abstract: Source: US2006207905A Low bulk cardboard transit packaging suitable for shipping glass containers to a manufacturer, and for re-use with the filled containers in shipping to the retailer, and for retail display purposes, as well as use with plastic and metal parallel wall containers, uses at least two peripheral holding straps to secure the package with its contents, and container locating means in a multi-pack embodiment including chimes and and/or frangible glue fasteners to immobilize selected ones of the containers. Some package embodiments use paperboard sheet.

Probable Assignee: MIKRALJO LLC

Earliest Publication Date: 20060921



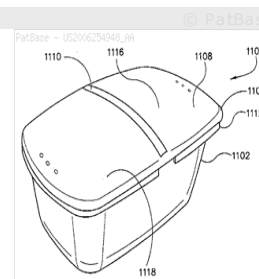
35) Family number: 33688868 (US2006254948A)

NESTABLE CONTAINERS WITH FOLDING COVERINGS

Abstract: Source: US2006254948A Some embodiments relate to nestable containers having a reversibly deformable covering that is reversibly deformable from a covering position to a storage position, wherein the covering has a projected surface area in the storage position that is less than a projected surface area of the closure in the covering position such that the covering is storable inside the container while other containers of identical size and shape are nested in the container. The covering may include a fastener that, when fastened, prevents movement of the covering from the storage position to the covering position. And the covering and/or container may include a gasket for sealing.

Probable Assignee: FOLDWARE INC

Earliest Publication Date: 20061116



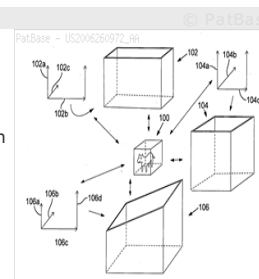
36) Family number: 33812609 (US2006260972A)

EXPANDABLE CRATE

Abstract: Source: US2006260972A An expandable crate, such as an expandable animal crate, is disclosed that optionally is expandable and collapsible in multi-dimensions, most preferably in three dimensions, and has a usable interior space in the collapsed or expanded or in-between states. That is, the crate may be expanded or collapsed in one dimension, or two dimensions, or three dimensions, or even more than three dimensions. The size of the crate is adjustable by expansion or collapsing to provide a variety of sizes for use.

Probable Assignee: AYRES JAMES W

Earliest Publication Date: 20061123



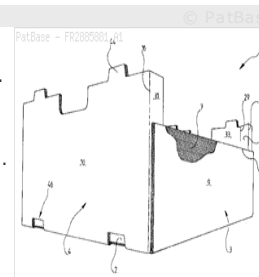
37) Family number: 33902518 (FR2885881B)

OBJECT E.G. FRUIT, TRANSPORT AND DISPLAY TRAY, HAS LONGER LATERAL WALLS COMPRISING ZONES WITH DOUBLE THICKNESS RESULTING FROM FOLDING OF PART OF BOTTOM AND LATERAL WALLS ON OTHER PART OF LATERAL WALLS, WHERE PARTS ARE FIXED TO EACH OTHER

Abstract: Source: FR2885881B The tray (1) has a bottom wall (2) and longer and shorter lateral walls (3, 4) perpendicular to the bottom wall, where the tray is formed by folding a light cardboard plate including a central face. The cardboard has a side constituted of plain or printed paper. The lateral walls are formed by flaps (9, 10) articulated around sides of the central face. The walls (3) exposed to bowing comprise horizontal grooves (7) and zones with double thickness of the cardboard resulting from folding of one part of the walls (2, 3) on the other part of the walls (3), where the parts are fixed to one another.

Probable Assignee: NORMANDE DE CARTON ONDULE SNCO

Earliest Publication Date: 20061124



38) Family number: 36058316 (US2007209960A)

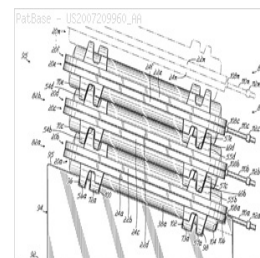
FLEXIBLE CONTAINER HANDLING SYSTEM

Abstract: Source: US2007209960A A container for a flexible bag of liquid that supports the bag during transportation, storage and use in dispensing of the liquid. The container is made from two generally similar pans that form lower and upper parts of the container. Each pan includes a plurality of generally similar projections that function to support the container on a surface as well as in a stable stacked formation.

Probable Assignee: NALGE NUNC INT

Earliest Publication Date: 20070913





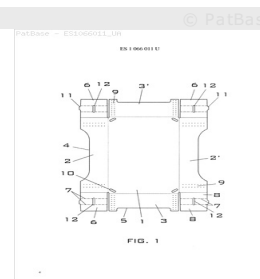
39) Family number: 40897273 (ES1066011Y)

CAJA DE CARTON APILABLE

Abstract: Source: ES1066011U 1. Caja de carton apilable, que siendo del tipo de las constituidas a partir de un cuerpo laminar de carton, determinante del fondo de la caja, del que emergen una pareja de gualderas y una pareja de testeros unidos entre si mediante encolado a traves de aletas dotadas de lineas de plegado determinantes de un prisma triangular que actua como medio rigidizador en la union entre las comentadas gualderas y testeros determinando un chaflan interior en las esquinas de la caja, caja dotada de medios para su apilamiento, caracterizada porque las citadas aletas incorporan en la zona media de las mismas una ranura horizontal, dimensionalmente adecuada para permitir el paso al interior del prisma determinado por las mismas las esquinas de los envases a que pueda estar destinada a alojar la caja, adaptandose el resto del envase a la configuracion de las gualderas y testeros con un aprovechamiento optimo del volumen de la caja. 1. Stackable cardboard box, which being of the type formed from a laminar body of cardboard, determining the bottom of the box, from which emerge a pair of flanges and a pair of end walls joined together by gluing through fins provided with folding lines determinants of a triangular prism which acts as stiffener means at the junction between the mentioned flanges and end walls determining an inner chamfer at the corners of the box, provided with means for stacking, characterized in that said fins incorporated in the middle area thereof a horizontal slot, dimensionally suitable to allow the passage to the inside of the prism determined by the same the corners of The packages that may be designed to accommodate the box, the rest of the container being adapted to the configuration of the flanges and end walls with optimum utilization of the volume of the box.

Probable Assignee: SUMINISTROS IND DE CARTON Y EN

Earliest Publication Date: 20071201



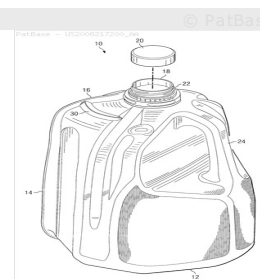
40) Family number: 41782332 (US2008217200A)

STACKABLE LIQUID CONTAINER

Abstract: Source: US2008217200A In one embodiment according to the present disclosure, a liquid container generally includes a base member, an annular sidewall member, a neck member, a spout, and a handle. The annular sidewall member is attached to and extends upwardly from the base member. The neck member couples the annular sidewall member to the spout. The base member has a recessed portion that extends upwardly into the container such that the base member may rest upon the neck member of another container.

Probable Assignee: DEAN INTELLECTUAL PROPERTY SERVICES II INC

Earliest Publication Date: 20080910



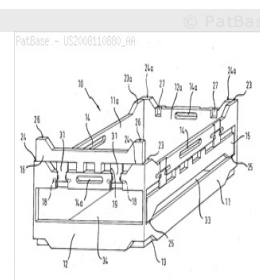
41) Family number: 41787438 (US2008110880A)

HEIGHT ADJUSTABLE TRANSPORT CONTAINER

Abstract: Source: US2008110880A A transport container system includes a stackable crate having a bottom element and four side wall elements which are of a dimensionally and pressure stable structure. Each of the side wall elements has a foldable attachment element connected to it. When folded up, the attachment elements of the four side wall elements will form an attachment which will increase the volumetric capacity of the crates. The attachment elements will each bear on an upper side of the respective side wall element and be retained in the folded-up position by guides provided on the side wall elements. When folded down, the respective attachment elements can be integrated into the respective side wall element in such a manner that the attachment elements at least will not protrude substantially over the thickness of the side wall elements.

Probable Assignee: IFCO SYSTEMS GMBH

Earliest Publication Date: 20080513



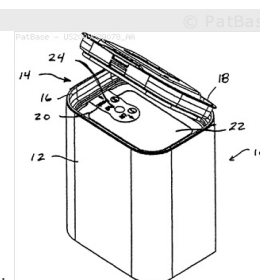
42) Family number: 42915349 (US2009039078A)

FLEXIBLE, STACKABLE CONTAINER AND METHOD AND SYSTEM FOR MANUFACTURING SAME

Abstract: Source: US2009039078A A flexible, stackable container for storing a quantity of a product may include a sealed package formed from a single sheet of film and retaining the quantity of the product disposed therein, and a lid fitment attached to a first side of the package. The first side of the package may have an outer first surface of the film and outwardly extending first corner seals formed in the film at the edges of the first side and surrounding the first side of the package. The package may also have a second side disposed opposite the first side and outwardly extending second corner seals formed in the film at the edges of the second side and surrounding the second side of the package. The lid fitment may include a base having a central opening and a lid having a complimentary shape to the base to form a seal therebetween when the lid is closed down onto the base. The base may be sealed to one of the first surface of the first side, to the first corner seals surrounding the first side, or to both, such that a portion of the first surface is accessible from the exterior of the container when the lid is separated from the base of the lid fitment.

Probable Assignee: PRIMAPAK LLC

Earliest Publication Date: 20090212



43) Family number: 43042947 (US7506757B)

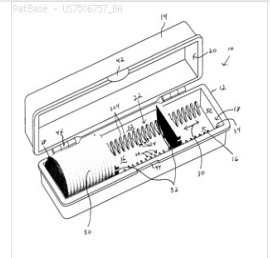
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STACKABLE POKER CHIP CASE

Abstract: Source: US7506757B At least one first poker chip case is provided which includes a case body having a cavity, an opening to the cavity, a bottom outer surface, and a case lid operative to close the opening. The case lid includes a top outer surface. The cavity includes at least one cavity wall and a plurality of divider accepting slots spaced apart along the at least one cavity wall. At least one divider is operative to slide into any one of the plurality of divider accepting slots. The cavity is operative to support a plurality of poker chips therein in stacked relation. The top outer surface and the bottom outer surface include interlocking features which are operative to co-operatively engage respectively with at least two bottom surfaces and at least two top outer surfaces of further cases placed above and under the at least one first case in stacked relation.

Probable Assignee: TRIPLE HOOK PRODUCTIONS LLC

Earliest Publication Date: 20090324



44) Family number: 44123519 (US2009308779A)

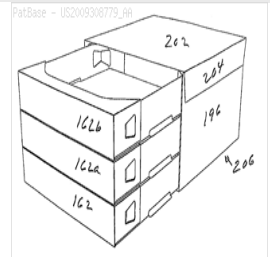
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STACKING DRAWER PACKAGE

Abstract: Source: US2009308779A A tray has a bottom panel, side and end panels and top shoulders at opposed ends of the tray. The tray is covered by a separate sleeve that extends across the top of the tray and down opposed sides and across the bottom of the tray. The trays may be stacked with an upper tray resting on the shoulders of the lower tray. The sleeve is a sleeve for the stack of trays with the side panels of the sleeve sized for different numbers of trays in the stack. There may be frictional tabs in the side panels of the tray or trays which have frictional engagement with the side panels of the sleeve.

Probable Assignee: INT PAPER CO

Earliest Publication Date: 20091217



45) Family number: 45946116 (US2010170816A)

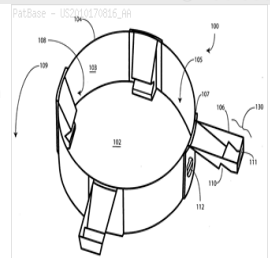
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STACKABLE GUIDE WIRE CONTAINER WITH LIVING HINGE

Abstract: Source: US2010170816A A container (200) is configured to retain a coiled device, such as a guide wire, within the container (200). The container (200) includes a bowl (201) and one or more retention devices (230). Each retention device (230) includes a retention tab (206) that is coupled to the bowl (201) by a hinge (207). The bowl (201) and retention tabs (206) can be manufactured as an integral component by using living hinges as the hinge (207). The containers (200) are configured to be efficiently stacked when the retention tabs (206) are rotated to an open position.

Probable Assignee: MEDLINE IND INC

Earliest Publication Date: 20100708



46) Family number: 48885143 (US2011114528A)

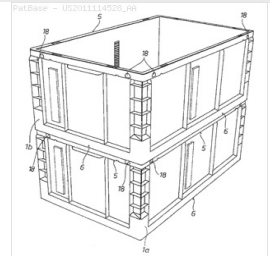
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PLASTIC STORAGE AND TRANSPORT CONTAINER

Abstract: Source: US2011114528A A transport/shipping box has a polygonal floor with a plurality of straight edges and respective flat walls extending upward from the edges and joined together at corners to form an upwardly directed opening. The walls have upper edges that are of upwardly open U-section.

Probable Assignee: FRITZ SCHAEFER GMBH

Earliest Publication Date: 20110518



47) Family number: 6448635 (GB2203132A)

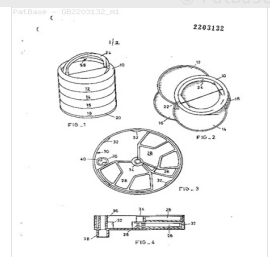
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MULTI-LEVEL STORAGE CONTAINER

Abstract: Source: GB2203132A A multi-level storage container comprises a plurality of superimposed trays 12-18 for holding articles, means joining the trays on an eccentrically located vertical axis about which the trays are at least partially rotatable and means for locking the trays together when they are in register with each other.

Probable Assignee: PINTO CHEMICAL COMPANY LIMITED

Earliest Publication Date: 19880928



48) Family number: 9383299 (US5540536A)

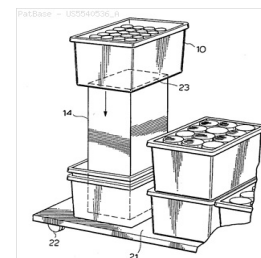
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REUSABLE PACKAGING, SHIPPING AND DISPLAY SYSTEM

Abstract: Source: US5540536A A reusable and returnable container system for packaging, shipping and displaying goods comprises a tote having an opening in a bottom surface and an upper opening. The opening in the bottom surface has an abutment for supporting a tray inside the tote. The tote is preferably stackable and nestable with like totes. The tray is adapted to carry goods and is insertable into the tote for resting on the abutment. The tote is easily separated from the tray without first removing the goods. Each tray can be transferred to a shelf for displaying the goods for selection by consumers. After the tray has been emptied, each tray can be stored in a stack of nested totes for returning for re-use.

Probable Assignee: ECOPAL CANADA INC

Earliest Publication Date: 19950811



49) Family number: 1053508 (DE2332559A1)

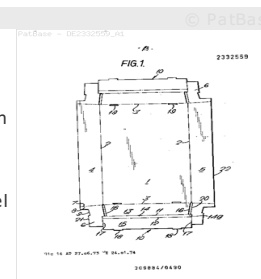
FALTSCHACHTEL CARTON (MACHINE TRANSLATION)

Abstract: Source: DE2332559A1 Patent ansprueche {1 Rechteckige, aus einem flachen Blatt aus Pappe oder einem aehnlichen Material gefaltete Schachtel ohne Deckel mit einem rechteckigen Boden, Seitenwaenden, die mit zwei einander gegenueberliegenden Kanten des Bodens durch Fal tungen verbunden sind, Endwaenden mit einem inneren und einem aeusseren Streifen, die ueber Faltungen an den anderen sich gegenueberliegenden Kanten des Bodens befestigt sind, einer Stapelflaeche an jedem Ende der Schachtel, die hori zontal und im wesentlichen parallel zum Boden angeordnet sind und deren Aussenkanten mit den Seitenstreifen abschlie Ben, sowie Haltestreifen, die ueber Faltungen mit jeder der Seitenwaende verbunden sind und zwischen den inneren und aeusseren Streifen der Endwaende der Schachtel liegen, dadurch gekennzeichnet, dass.

Machine translation: Claims {1 Rectangular, from a flat sheet of cardboard or similar material box folded without a lid with a rectangular bottom, side walls, which are events with two mutually opposite edges of the soil by Fal connected, end walls with an inner and an outer strips that over folds to the other to opposite edges of the floor are attached to a Stapelflaeche at each end of the box, the hori zontal and are arranged substantially parallel to the ground and their outer edges with the side stripes lockable Ben, as well as retaining strips over folds with each of the side walls are connected to and between the inner and outer strips of the end walls of the box are characterized, dass

Probable Assignee: UNILEVER NV

Earliest Publication Date: 19731228



50) Family number: 10607957 (DE4137287A1)

STACKABLE CRATE-LIKE TRANSPORT STORAGE CONTAINERS - HAVE SUPPORT AND FIXING WEBS ENGAGING WITH ALIGNMENT AND LOCKING WEBS OF MODULAR CONTAINERS

Abstract: Source: DE4137287A1 The containers (2, 3) are provided on one side near the base edge and at least in their corners with downwardly aligned support and fixing webs which run at right angles to each other. On the other side groups (14, 15) of alignment and locking webs (16, 17) projecting upwards on the top side of the base are seated on the pallet or table-like supports (4) on which several containers can be fixed. These alignment and locking webs (16, 17) are also aligned at right angles to each other and between them there are incisions or slits (18, 19) whose shape matches the cross-section of the support and fixing webs on the container side. USE - Stackable storage and transport containers.

Probable Assignee: SCHAEFER GMBH FRITZ

Earliest Publication Date: 19930519

