



New connection on: : 24-11-2022 : 22:41:11 - Last disconnection on: : 24-11-2022 : 08:47:10

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Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 5] ..er all from begin

[SS 1] ..fi epodoc

 Database: EPODOC

[EPODOC: SS 1] (foldable and collapsible) and female and male and (latch? or hook)

Results in EPODOC 1

[SS 2] ..v

[EPODOC: SS 2] (foldable and collapsible) and container and (latch? or hook)

Results in EPODOC 19

[SS 3] ..v

[EPODOC: SS 3] ..LI



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PN - [US2017305658](#) A1 20171026

PNFP - US10640287 B2 20200505

PR - CN201410640576 20141113; WO2015CN83396 20150706

AP - US201515526701 20150706

DT - **

CT - || STSE (A1)

[US4848618](#) A 19890718 [A] (YUAN CHII-YAH [TW], et al);

[US7870970](#) B2 20110118 [A] (FISK FRANK MICHAEL [AU]);

[US2012248105](#) A1 20121004 [X] (LEONG WANG YEW [MY])

[X] 18, 20

* Claim 18 | Figure 1 | figure 25 | paragraph 96 | Claim 20 | figure 25 paragraph 96 *;

[US2014175090](#) A1 20140626 [A] (BELLEHUMEUR ALEXANDER R [US], et al)

	- STSE (B2) US4848618 A 19890718 [] (YUAN CHII-YAH [TW], et al); US7870970 B2 20110118 [] (FISK FRANK MICHAEL [AU]); US2012248105 A1 20121004 [] (LEONG WANG YEW [MY]); US2014175090 A1 20140626 [] (BELLEHUMEUR ALEXANDER R [US], et al)
CCI	- B65D88/524
CI	- B65D88/022 (US) - B65D88/522 (US) - B65D88/524 (EP, US) - B65D90/0006 (US) - B65D90/0026 (US)
PA	- (A1) DALIAN CIMC LOGISTICS EQUIP CO [CN]; CHINA INT MARINE CONTAINERS (GROUP) LTD [CN]; CIMC CONTAINERS HOLDING CO LTD [CN] - (B2) DALIAN CIMC SPECIAL LOGISTICS EQUIPMENTS CO LTD [CN]; CHINA INT MARINE CONTAINERS GROUP LTD [CN]; CIMC CONTAINERS HOLDING CO LTD [CN]; DALIAN CIMC LOGISTICS EQUIP CO [CN]
TI	- (A1) CONNECTING MECHANISM AND COLLAPSIBLE CONTAINER COMPRISING THE SAME - (B2) Connecting mechanism and collapsible container comprising the same
AB	- (A1) A connecting mechanism and a foldable container comprising the same. The foldable container comprises a top cover and a chassis. Top corner pieces (121) are disposed on four corners of the top cover. The top corner pieces are connected to a top cover corner column (122). Bottom corner pieces (111) are disposed on four corners of the chassis. The bottom corner pieces are connected to a chassis corner column (112). The connecting mechanism comprises a lifting lug (23) disposed on one of the top cover corner column (122) and the chassis corner column (112) and a locking plate (21) rotatably disposed on an outer end surface of the other one of the top cover corner column (122) and the chassis corner column (112). The locking plate (21) is provided with a hook portion fitted to the lifting lug. By means of the connecting mechanism, the top cover and the chassis can be automatically connected when the container is folded; and when the container is assembled, the operation efficiency is high and the inner size of the container is not affected. - (B2) A connecting mechanism is used for a collapsible container, the collapsible container comprises a top cover and a chassis, four corners of the top cover are provided with a top corner piece which is connected with a top cover corner pillar, and four corners of the chassis are provided with a bottom corner piece which is connected with a chassis corner pillar, the connecting mechanism comprises a crook lug located at one of the top cover corner pillar and the chassis corner pillar; and a crook locking plate rotatably provided at the outer end face of the other of the top cover corner pillar and the chassis corner pillar, the crook locking plate is provided with a crook part cooperating with the crook lug.

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PN - [CA2967692](#) A1 20160519

PNFP - CA2967692 C 20200616

PR - CN201410640576 20141113; WO2015CN83396 20150706

AP - CA20152967692 20150706

DT - I

CCI - [B65D88/524](#)

CI - B65D88/022 (US)

- B65D88/522 (US)

- B65D88/524 (EP, US)

- B65D90/0006 (US)

- B65D90/0026 (US)

PA - (A1)

DALIAN CIMC LOGISTICS EQUIP CO [CN]; CHINA INT MARINE CONTAINERS (GROUP) LTD [CN]; CIMC CONTAINERS HOLDING CO LTD [CN]

- (C)

DALIAN CIMC LOGISTICS EQUIP CO [CN]; CHINA INT MARINE CONTAINERS GROUP LTD [CN]; CIMC CONTAINERS HOLDING CO LTD [CN]

TI - (A1 C)

CONNECTING MECHANISM AND **COLLAPSIBLE CONTAINER** COMPRISING THE SAME

AB - (A1)

A connecting mechanism and a **foldable container** comprising the same. The **foldable container** comprises a top cover and a chassis. Top corner pieces (121) are disposed on fourth corners of the top cover. The top corner pieces are connected to a top cover corner column (122). Bottom corner pieces (111) are disposed on four corners of the chassis. The bottom corner pieces are connected to a chassis corner column (112). The connecting mechanism comprises a lifting lug (23) disposed on one of the top cover corner column (122) and the chassis corner column (112) and a locking plate (21) rotatably disposed on an outer end surface of the other one of the top cover corner column (122) and the chassis corner column (112). The locking plate (21) is provided with a **hook** portion fitted to the lifting lug. By means of the connecting mechanism, the top cover and the chassis can be connected when the **container** is folded; and when the **container** is assembled, the operation efficiency is high and the inner size of the **container** is not affected.

- (C)

A connecting mechanism and a **foldable container** comprising the same. The **foldable container** comprises a top cover and a chassis. Top corner pieces (121) are disposed on four corners of the top cover. The top corner pieces are connected to a top cover corner column (122). Bottom corner pieces (111) are disposed on four corners of the chassis. The bottom corner pieces are connected to a chassis corner column (112). The connecting mechanism comprises a lifting lug (23) disposed on one of the top cover corner column (122) and the chassis corner column (112) and a locking plate (21) rotatably disposed on an outer end surface of the other one of the top cover corner column (122) and the chassis corner column (112). The locking plate (21) is provided with a **hook** portion fitted to the lifting lug. By means of the connecting mechanism, the top cover and the chassis can be automatically connected when the **container** is folded;

and when the **container** is assembled, the operation efficiency is high and the inner size of the **container** is not affected.

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- PN - [EP3219644](#) A1 20170920
- PNFP - EP3219644 A4 20180725
- EP3219644 B1 20190925
- PR - CN201410640576 20141113; WO2015CN83396 20150706
- AP - EP20150859501 20150706
- DT - *; Rep
- CT - || STSE (A4)
[US4848618](#) A 19890718 [A] (YUAN CHII-YAH [TW], et al)
[A] 1-15
* column 3, line 36 - column 4, line 8; figures 3A-3C *;
[US2006016807](#) A1 20060126 [A] (HSU WEN-TA [TW], et al)
[A] 1-15* paragraph [0035] - paragraph [0037]; figures 5A-5D *;
[WO2006024104](#) A1 20060309 [XAI] (CONTAINER TECHNOLOGY PTY LTD [AU], et al)
[X] 1-3,15
* page 10, line 8 - page 19, line 1; figure 10 *
[A] 4,8,14
[I] 5-7,9-13;
[WO2010075607](#) A1 20100708 [XAI] (FOLTAINER INTERNAT PTY LTD [AU], et al)
[X] 1-3,5,9,15
* page 8, line 17 - page 15, line 15; figure 25 *
[A] 4,8,14
[I] 6,7,10-13
- CCI - [B65D88/524](#)
- CI - B65D88/022 (US)
- B65D88/522 (US)
- B65D88/524 (EP, US)
- B65D90/0006 (US)
- B65D90/0026 (US)
- PA - (A1)
DALIAN CIMC LOGISTICS EQUIP CO [CN]; CHINA INT MARINE CONTAINERS (GROUP) LTD [CN]; CIMC CONTAINERS HOLDING CO LTD [CN]
- (A4)
DALIAN CIMC LOGISTICS EQUIP CO [CN]; CHINA INT MARINE CONTAINERS GROUP LTD [CN]; CIMC CONTAINERS HOLDING CO LTD [CN]
- (B1)
DALIAN CIMC SPECIAL LOGISTICS EQUIPMENTS CO LTD [CN]; CHINA INT MARINE CONTAINERS GROUP LTD [CN]; CIMC CONTAINERS HOLDING CO LTD [CN]; DALIAN CIMC LOGISTICS EQUIP CO [CN]
- TI - (A1 B1)
COLLAPSIBLE CONTAINER COMPRISING A CONNECTING MECHANISM
- (A4)
CONNECTING MECHANISM AND **FOLDABLE CONTAINER** COMPRISING SAME

AB - (A1)
 A connecting mechanism and a **foldable container** comprising the same. The **foldable container** comprises a top cover and a chassis. Top corner pieces (121) are disposed on fourth corners of the top cover. The top corner pieces are connected to a top cover corner column (122). Bottom corner pieces (111) are disposed on four corners of the chassis. The bottom corner pieces are connected to a chassis corner column (112). The connecting mechanism comprises a lifting lug (23) disposed on one of the top cover corner column (122) and the chassis corner column (112) and a locking plate (21) rotatably disposed on an outer end surface of the other one of the top cover corner column (122) and the chassis corner column (112). The locking plate (21) is provided with a **hook** portion fitted to the lifting lug. By means of the connecting mechanism, the top cover and the chassis can be connected when the **container** is folded; and when the **container** is assembled, the operation efficiency is high and the inner size of the **container** is not affected.

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PN - [EP2796388](#) A1 20141029
 PR - CL20110003232 20111221; WO2012CL00075 20121221
 AP - EP20120860319 20121221
 DT - *; Rep
 CCI - [B65D88/524](#) ; [B65D90/0006](#)
 CI - B65D88/12 (KR)
 - B65D88/524 (EP, KR, US)
 - B65D90/0006 (EP, US)
 CA - B65D2313/00 (KR)
 PA - INVERSIONES JR SPA [CL]
 TI - **COLLAPSIBLE CONTAINER** FOR CONSOLIDATED LOAD TRANSPORTATION AND ASSOCIATED METHOD FOR COLLAPSING
 AB - **Collapsible container** for sea and/or ground transportation of consolidated goods that, complying with all the ISO standards regarding dimensions, resistance and watertightness, is rapidly and easily collapsed and deployed reducing up to one-sixth the nominal volume it has when assembled and capable of being vertically stacked for the transport and storage of compact packs of the collapsed containers. The **container** comprises as primary elements: a floor, a roof, a rear panel, a front panel formed by an outer structural preframe; and right and left side walls formed by a **foldable** top side panel, a **foldable** bottom side panel and a central pivoting, anti-fold locking and connecting element joining both panels by means of hinges. Sliding **latch** lock type mechanisms are provided for the locking or unlocking of the front and rear panels with the roof, lateral anchors for said panels with the side walls and hinged joints in the rest of the joints between the primary elements, allowing to collapse the **container** folding first the front and rear panels over the floor and then folding the side walls with the roof attached into the interior of the **container** in a bellows manner so the top and bottom side panels, the roof and the front and rear panels end up parallel to the floor and, viceversa, deploying the **container** by reversing these steps.

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PN - [EP2384989](#) A2 20111109

PNFP - EP2384989 A3 20121205
- EP2384989 B1 20140507

PR - EP20090007108 20090528; AT20080000862 20080528

AP - EP20110167371 20090528

DT - **

CT - || STSE (A3)
[US2005098557](#) A1 20050512 [A] (MURAKAMI TETSUYA [JP], et al)
[A] 1-13
* paragraphs [0071] - [0083] *
* figures 14a,14b *;
[JP2002347760](#) A 20021204 [A] (GIFU PLASTIC IND CO LTD)
[A] 1-13
* abstract *
* paragraph [0049] *
* figures 13-15 *;
[US2003006232](#) A1 20030109 [A] (RAGHUNATHAN NARAYAN [CA], et al)
[A] 1-13
* paragraph [0020] - paragraph [0041] *
* figures 1-7 *;
[DE10137328](#) A1 20030213 [A] (SCHOELLER WAVIN SYS SERV GMBH [DE])
[A] 1-13
* paragraph [0013] - paragraph [0019] *
* figures 1-5 *

CCI - [B65D11/1833](#)

CI - B65D11/1833 (EP)

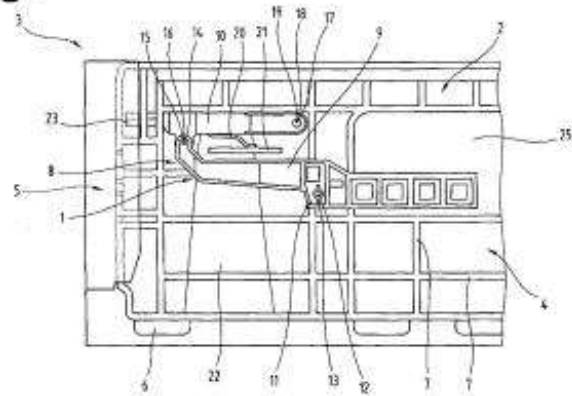
PA - (A2 A3 B1)
IFCO SYSTEMS AUSTRIA GMBH [AT]

TI - (A2 A3 B1)
Locking **latch** for transport containers with **collapsible** side walls

AB - (A2)
The device (1) comprises an adjusting mechanism (8) for locking and releasing movement releasing interaction between a detent lug (23) and a snap arm such that corresponding **foldable** side walls (2) on a base of a refillable **container** is unlocked and **foldable** inwards. The adjusting mechanism has an actuation element (9) and a locking element (10) connected with each other, where the actuating element and the locking element has an exemption for receiving a protrusion (22) of the side wall. An independent claim is included for a transport and storage **container** with a refillable **container**.

PN - [EP2128035](#) A1 20091202
 PNFP - EP2128035 B1 20120425
 PR - AT20080000862 20080528
 AP - EP20090007108 20090528
 DT - *; Rep
 CT - || STSE (A1)
 [US2005098557](#) A1 20050512
 [X] (MURAKAMI TETSUYA [JP], et al)
 [X] 1-3,5,7,8,11-15
 * paragraphs [0071] - [0083] *
 * figures 14a,14b *;
 [JP2002347760](#) A 20021204
 [X] (GIFU PLASTIC IND CO LTD)
 [X] 1-3,5,7,8,11-15
 * abstract *
 * paragraph [0049] *
 * figures 13-15 *;
 [US2003006232](#) A1 20030109
 [X] (RAGHUNATHANNARAYAN[CA],
 et al)
 [X] 1,12-15
 * paragraph [0020] -
 paragraph [0041] *
 * figures 1-7 *;
 [DE10137328](#) A1 20030213
 [A] (SCHOELLER WAVIN SYS SERV
 GMBH [DE])
 [A] 1,12
 * paragraph [0013] -
 paragraph [0019] *
 * figures 1-5 *
 CCI - [B65D11/1833](#)
 CI - B65D11/1833 (EP)
 PA - (A1 B1)
 IFCO SYSTEMS AUSTRIA GMBH [AT]
 TI - (A1 B1)
 Locking **latch** for transport
 containers with **collapsible** side
 walls
 AB - (A1)
 The device (1) has an adjusting
 mechanism (8) for locking and
 releasing movement releasing
 interaction between a detent lug
 (23) and a snap arm such that
 corresponding **foldable** side
 walls (2) on a base of a

Fig.1



refillable **container** is unlocked and **foldable** inwards. The adjusting mechanism has an actuation element (9) and a locking element (10) connected with each other. A vertical movement of the actuation element is converted into a rotatable or pivotable movement of the locking element to unlock the side walls. An independent claim is also included for a transport and storage **container** i. e. refillable **container**.

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PN - [WO2009048867](#) A2 20090416

PNFP - WO2009048867 A3 20100701

PR - US20070869198 20071009

AP - WO2008US79049 20081007

DT - **

CT - |KR| ISR (A3)
[US6006918](#) A 19991228 [A] (HART MICHAEL JOHN [AU]);
[JP2003289737](#) A 20031014 [A] (IRIS OHYAMA INC)

CCI - [B65D11/1833](#) ; [B65D11/28](#) ; [B65D15/22](#) ; [B65D15/24](#)

CCA - [B65D2313/02](#) ; [B65D2313/04](#) ; [Y10T24/32](#) ; [Y10T24/44983](#) ; [Y10T428/24843](#)

CI - B65D11/1833 (EP, US)

- B65D11/28 (EP, US)

- B65D15/22 (EP, US)

- B65D15/24 (EP, US)

CA - B65D2313/02 (EP, US)

- B65D2313/04 (EP, US)

- Y10T24/32 (EP, US)

- Y10T24/44983 (EP, US)

- Y10T428/24843 (EP, US)

PA - (A2 A3)
 SHALOMOFF ZIVA [US]

TI - (A2 A3)
 ASSEMBLY OF PANELS **FOLDABLE** TO FORM A **CONTAINER**

AB - (A2)
 A box is **collapsible** in such a manner that it can form a flat stack of panels, each of which corresponds to one side of the box. When the box is configured as a flat stack of panels, it is relatively compact and, therefore, easy to store. When the **collapsible** box is configured as a box, it is sturdy and strong. The **collapsible** box has latching elements that can temporarily connect adjacent sides of the box to one another. Typically, a

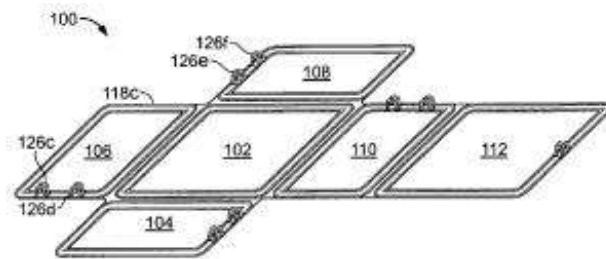
person can **latch** and unlatch the latching elements with his or her hand. The box is typically transparent and ,therefore, well suited for displaying ornamental items, such as ornate hats.

- (A3)

A box is **collapsible** in such a manner that it can form a flat stack of panels, each of which corresponds to one side of the box. When the box is configured as a flat stack of panels, it is relatively compact and, therefore, easy to store. When the **collapsible** box is configured as a box, it is sturdy and strong. The **collapsible** box has latching elements that can temporarily connect adjacent sides of the box to one another. Typically, a person can **latch** and unlatch the latching elements with his or her hand. The box is typically transparent and,therefore, well suited for displaying ornamental items, such as ornate hats.

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- PN - [US2009090709](#) A1 20090409
- PNFP - US8167157 B2 20120501
- PR - US20070869198 20071009
- AP - US20070869198 20071009
- DT - *; Rep
- CT - || R141 (A1)
- [US6401995](#) B1 20020611 [] (YUILLE KIM W [US], et al);
- [US6142365](#) A 20001107 [] (BREITBACH WILLIAM [US]);
- [US6840436](#) B2 20050111 [] (WANG WEN-TSAN [TW]);
- [US7314147](#) B2 20080101 [] (DECARLO ANTHONY J [US], et al);
- [US5494161](#) A 19960227 [] (HERBST JOHN E [US]);
- [US6685516](#) B2 20040203 [] (TSUBOGUCHI KATSUNORI [JP]);
- [US4010865](#) A 19770308 [] (WILGUS JAMES L);
- [US5292060](#) A 19940308 [] (FOCKE HEINZ [DE], et al);
- [US2007056970](#) A1 20070315 [] (SCHERER THOMAS W [US], et al);
- [US4449662](#) A 19840522 [] (OKAMURA KOUICHI [JP], et al);
- [US2004112895](#) A1 20040617 [] (BARTASEVICH WILLIAM E [US], et al);
- [US2002092787](#) A1 20020718 [] (CHENG BILLY [TW]);



[US5038953](#) A 19910813 [
] (RADAR HELMUT [US]);
[US6427906](#) B2 20020806 [
] (GRUENEGER BEVAN E [US]);
[US6799691](#) B2 20041005 [
] (WINCENT MATS [SE]);
[US7597209](#) B2 20091006 [
] (ROTHSCHILD WAYNE H [US], et
 al);
[US2411121](#) A 19461112 [
] (WILSON JAMES E);
[US3114453](#) A 19631217 [
] (HARRY ROSENTHAL);
[US4709812](#) A 19871201 [
] (KOSTERKA DONALD W [US]);
[US6006918](#) A 19991228 [
] (HART MICHAEL JOHN [AU]);
[US7152751](#) B2 20061226 [
] (BARTASEVICH JR WILLIAM E
 [US], et al)
 - || STSE (B2)
[US2411121](#) A 19461112 [
] (WILSON JAMES E);
[US3114453](#) A 19631217 [
] (HARRY ROSENTHAL);
[US4010865](#) A 19770308 [
] (WILGUS JAMES L);
[US4449662](#) A 19840522 [
] (OKAMURA KOUICHI [JP], et al);
[US5292060](#) A 19940308 [
] (FÖCKE HEINZ [DE], et al);
[US5494161](#) A 19960227 [
] (HERBST JOHN E [US]);
[US6142365](#) A 20001107 [
] (BREITBACH WILLIAM [US]);
[US6401995](#) B1 20020611 [
] (YUILL KIM W [US], et al);
[US6799691](#) B2 20041005 [
] (WINCENT MATS [SE]);
[US7152751](#) B2 20061226 [
] (BARTASEVICH JR WILLIAM E
 [US], et al);
[US7314147](#) B2 20080101 [
] (DECARLO ANTHONY J [US], et
 al);
[US7597209](#) B2 20091006 [
] (ROTHSCHILD WAYNE H [US], et
 al);
[US2002092787](#) A1 20020718 [
] (ROTHSCHILD WAYNE H [US], et
 al);

] (CHENG BILLY [TW]);
[US2004112895](#) A1 20040617 [
] (BARTASEVICH WILLIAM E [US],
 et al);
[US2007056970](#) A1 20070315 [
] (SCHERER THOMAS W [US], et al)

CCI - [B65D11/1833](#) ; [B65D11/28](#) ;
[B65D15/22](#) ; [B65D15/24](#)

CCA - [B65D2313/02](#) ; [B65D2313/04](#) ;
[Y10T24/32](#) ; [Y10T24/44983](#) ;
[Y10T428/24843](#)

CI - B65D11/1833 (EP, US)
 - B65D11/28 (EP, US)
 - B65D15/22 (EP, US)
 - B65D15/24 (EP, US)

CA - B65D2313/02 (EP, US)
 - B65D2313/04 (EP, US)
 - Y10T24/32 (EP, US)
 - Y10T24/44983 (EP, US)
 - Y10T428/24843 (EP, US)

PA - (B2)
 SHALOMOFF ZIVA [US]

TI - (A1)
 ASSEMBLY OF PANELS **FOLDABLE**
 TO FORM A **CONTAINER**
 - (B2)
 Assembly of panels **foldable** to
 form a **container**

AB - (A1 B2)
 A box is **collapsible** in such a
 manner that it can form a flat
 stack of panels, each of which
 corresponds to one side of the
 box. When the box is configured
 as a flat stack of panels, it is
 relatively compact and,
 therefore, easy to store. When
 the **collapsible** box is configured
 as a box, it is sturdy and strong.
 The **collapsible** box has latching
 elements that can temporarily
 connect adjacent sides of the
 box to one another. Typically, a
 person can **latch** and unlatch the
 latching elements with his or her
 hand. The box is typically

transparent and, therefore, well suited for displaying ornamental items, such as ornate hats.

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PN - [US2006078231](#) A1 20060413

PR - US20040965561 20041013

AP - US20040965561 20041013

DT - *; Rep

CT - || R141 (A1)

[US4984906](#) A 19910115 [

] (LITTLE VICKI A [US]);

[US6193034](#) B1 20010227 [

] (FOURNIER MARC [CA]);

[US5332093](#) A 19940726 [

] (LITTLEPAGE FRED [US]);

[US3842977](#) A 19741022 [

] (HOLLANDER L);

[US3777862](#) A 19731211 [

] (ZIPPER W);

[US4793532](#) A 19881227 [

] (CASH DENNIS R [US])

CCI - [B65D65/08](#)

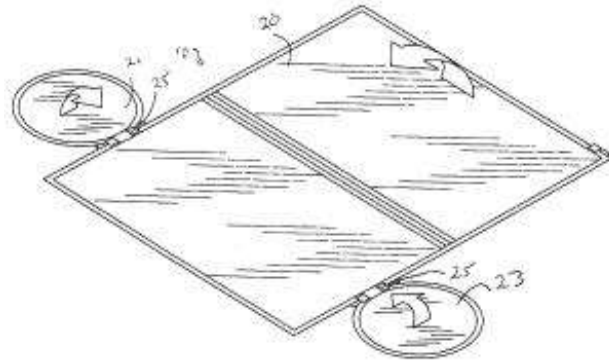
CCA - [A45C2007/0013](#)

CI - B65D65/08 (EP, US)

CA - A45C2007/0013 (EP, US)

TI - Storage **container**

AB - A semi-flexible storage **container** includes a **container** body formed from a single piece of semi-flexible sheet material. Flexibly attached to the **container** body by a flexible attachment mechanism are first and second end pieces, which when assembled together form an enclosed **container**. The preferred flexible attachment mechanism is a zipper mechanism, however equivalent mechanisms, such as **hook** and loop fasteners and the like are considered to fall within the scope of the present invention. The semi-flexible storage **container** is selectively



openable, sealable, and resealable, as will be described hereinafter. In addition to being self-supporting, semi-flexible storage containers are also readily **foldable** or **collapsible** to provide easy storage occupying minimal space.

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PN - [US2001038011](#) A1 20011108

PNFP - US6484898 B2 20021126

PR - US20010893229
20010627; US19950567385
19951204; US19930173610
19931227

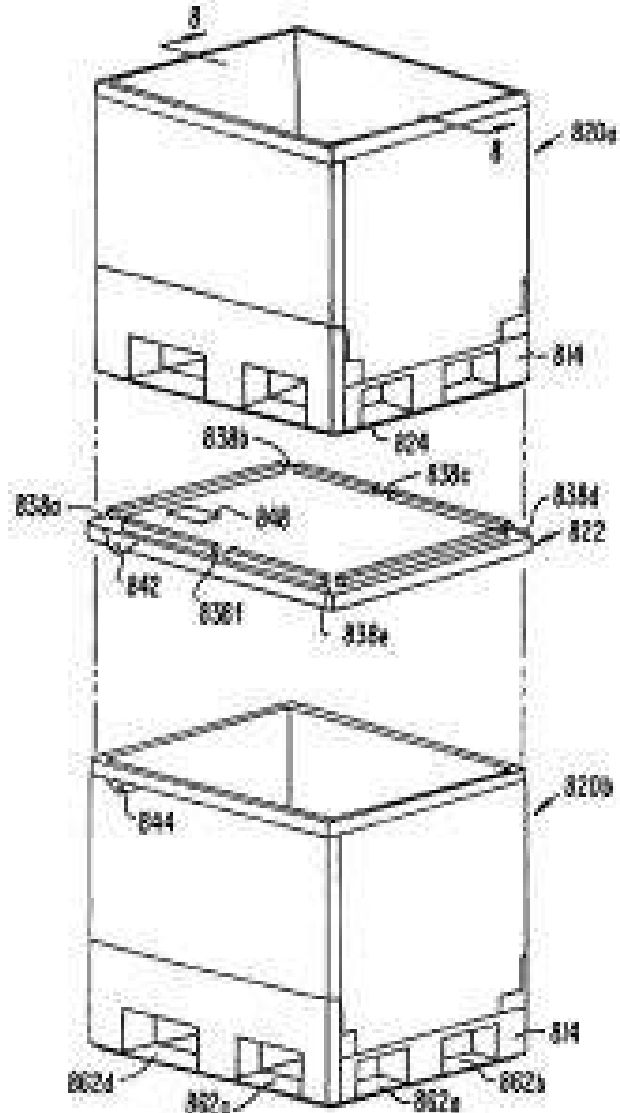
AP - US20010893229 20010627

DT - **

CT - || STSE (B2)
[US3390801](#) A 19680702 [
] (ADOMAT HEINZ W);
[US3979016](#) A 19760907 [
] (FRATER JAMES J);
[US4674647](#) A 19870623 [
] (GYENGE ANDREW [AU], et al);
[US5292024](#) A 19940308 [
] (KOEFLDA GERALD R [US], et al);
[US5332115](#) A 19940726 [
] (SCHAEFER GERHARD [DE]);
[US5495945](#) A 19960305 [
] (APPS WILLIAM P [US], et al);
[US5535910](#) A 19960716 [
] (CASSEL TIMOTHY S [US])

CCI - [B65D11/1833](#) ; [B65D19/18](#) ;
[B65D25/005](#)

CCA - [B65D2519/00034](#) ;
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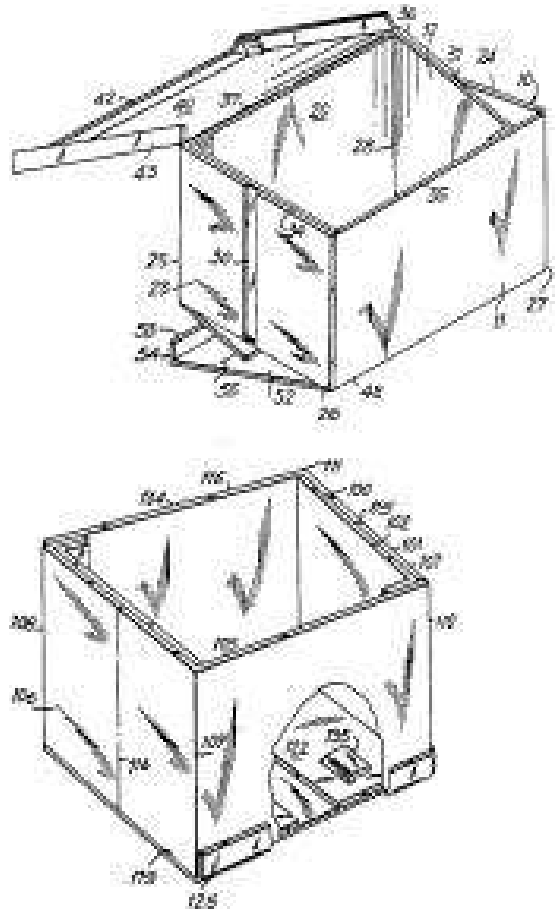
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[B65D2519/0099](#) ;
[B65D2519/00995](#)

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| PA | <ul style="list-style-type: none"> - (B2) PERSTORP XYTEC [US] |
| TI | <ul style="list-style-type: none"> - (A1 B2) Collapsible container with reduced deflection |
| AB | <ul style="list-style-type: none"> - (A1 B2) A collapsible, foldable container with reduced deflection and increased strength and convenience is provided. A door |

can be provided in the lower portion in one or more of the sidewalls, opening upward and outward without unduly loading the door hinges. A **latch** is provided to hold the door in the open configuration engageable by slamming open and disengaging by jerking close. In one embodiment, the base of the **container** includes a plate having ribbing extending upwardly therefrom. When a smooth-bottomed surface is desired, a plate may be installed on top of the upwardly extending ribbing. Ribbing on the bottom surface and/or sidewall surfaces can include close-loop or circular ribs with integral ribbing extending radially therefrom. Preferably, containers are configured so that they can be stacked, one upon the other, either with or without a top or lid. Preferably, the lid, when provided, avoids pooling of liquids such as rainwater by having a domed-shape and by providing channels in a peripheral ridge. Sagging in the components of the **container** can be at least partially avoided by providing ribbing in regions extending from the center of the bottom of the **container** towards peripheral portions, preferably corners.

PN - [US5090614](#) A 19920225
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 [US2226050](#) A 19401224 [
] (CHAMBLISS FRANK G, et al);
 [US2678766](#) A 19540518 [
] (DAVID LEVKOFF);
 [US3007622](#) A 19611107 [
] (GEORGE WALTER C);
 [US3565325](#) A 19710223 [
] (PUGSLEY KENNETH N);
 [US3642192](#) A 19720215 [
] (WILCOX THOMAS L JR, et al);
 [US4138053](#) A 19790206 [
] (GARDNER JEFFREY M);
 [US4333602](#) A 19820608 [
] (GESCHWENDER ROBERT C);
 [US4411373](#) A 19831025 [
] (KUPERSMIT JULIUS B [US]);
 [US4595137](#) A 19860617 [
] (KUPERSMIT JULIUS B [US]);
 [US4709852](#) A 19871201 [
] (STOLL MARK S [US]);
 [EP0158992](#) A2 19851023 [
] (REUTHER VERPACKUNG [DE]);
 [GB718448](#) A 19541117 [
] (METAL BOX CO LTD)

 CCI - [B65D5/36](#)
 CCA - [B65D2313/02](#)
 CI - B65D5/36 (EP, US)
 CA - B65D2313/02 (EP, US)
 PA - KUPERSMIT JULIUS B [US]
 TI - **Collapsible** reinforced shipping
 carton with **foldable** slip sheet
 AB - A **collapsible** shipping **container**
 with integral folding slip
 sheet. **Foldable** interior walls
 provide double wall thickness at
 two of four oppositely disposed
 side walls, the double wall
 thickness also serving to
 reinforce the **container** against
 compressive forces at each of
 four corners. A flap-type lower



wall is provided with a permanently attached **foldable** slip sheet to facilitate fork lift engagement. In a first embodiment, a lid or cover is also formed integrally and foldably attached to an upper peripheral edge along one rectilinear segment thereof. In another embodiment, **hook** and pile fasteners interconnect the flaps and slip sheet forming the lower wall to maintain the **container** in erected condition.

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- PN - [US6290081](#) B1 20010918
- PR - CA19992273556 19990531
- AP - US20000577976 20000525
- DT - *; Rep
- CT - || STSE (B1)
[US3888379](#) A 19750610 [] (FOLBERTH FRED G);
[US4735330](#) A 19880405 [] (HOSS DONALD A [US]);
[US5632392](#) A 19970527 [] (OH HAE SOON [KR]);
[US5746342](#) A 19980505 [] (JACQUES MICHEL [CA], et al);
[US5853099](#) A 19981229 [] (LESSARD CLAUDE [CA]);
[US6170689](#) B1 20010109 [] (FLESHER ROBERT W [US], et al)
- CCI - [B65D11/1833](#)
- CI - B65D11/1833 (EP, US)
- TI - **Foldable container**
- AB - A **collapsible container** has a base and a number of panels which are pivotally mounted to the base. When the **container** is being stored, the panels lie beside the base or upon the base, one on top of the other. When the **container** is in use, the panels are upright and define an enclosure. A **latch** is provided for interlocking adjacent panels. The **latch** has a slider which is slidable vertically when the **container** is upstanding and which slides between **latch**-locking and **latch**-unlocking positions. The **latch** further has a catch which is movable horizontally when the **container** is upstanding and which moves from a locking position for locking adjacent panels to an unlocking position. The **latch** has means for converting vertical movement of the slider to horizontal movement of the catch.

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- PN - [US6283319](#) B1 20010904
- PR - US19950567385 19951204; US19930173610 19931227
- AP - US19950567385 19951204

DT - **

CT - || STSE (B1)
[US3628684](#) A 19711221 [] (SERE GEORGES);
[US4375265](#) A 19830301 [] (VAN DE WETERING GERRIT, et al);
[US4674647](#) A 19870623 [] (GYENGE ANDREW [AU], et al);
[US4928839](#) A 19900529 [] (KRUELSKIE DONALD A [US]);
[US5076454](#) A 19911231 [] (GARTON RICHARD K [US], et al);
[US5292024](#) A 19940308 [] (KOEFLDA GERALD R [US], et al);
[US5474197](#) A 19951212 [] (HILLIS MARK [US], et al)

CCI - [B65D11/1833](#) ; [B65D19/18](#) ; [B65D25/005](#)

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[B65D2519/00268](#) ; [B65D2519/00288](#) ; [B65D2519/00318](#) ; [B65D2519/00348](#) ;
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- B65D19/18 (EP, US)
- B65D25/005 (EP, US)

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- B65D2519/00805 (EP, US)
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- B65D2519/00965 (EP, US)
- B65D2519/0099 (EP, US)
- B65D2519/00995 (EP, US)

PA - PERSTORP XYTEC [US]

TI - **Collapsible container** with reduced deflection

AB - **A collapsible, foldable container** with reduced deflection and increased strength and

convenience is provided. A door can be provided in the lower portion in one or more of the sidewalls, opening upward and outward without unduly loading the door hinges. A **latch** is provided to hold the door in the open configuration engageable by slamming open and disengaging by jerking close. In one embodiment, the base of the **container** includes a plate having ribbing extending upwardly therefrom. When a smooth-bottomed surface is desired, a plate may be installed on top of the upwardly extending ribbing. Ribbing on the bottom surface and/or sidewall surfaces can include close-loop or circular ribs with integral ribbing extending radially therefrom. Preferably, containers are configured so that they can be stacked, one upon the other, either with or without a top or lid. Preferably, the lid, when provided, avoids pooling of liquids such as rainwater by having a domed-shape and by providing channels in a peripheral ridge. Sagging in the components of the **container** can be at least partially avoided by providing ribbing in regions extending from the center of the bottom of the **container** towards peripheral portions, preferably corners.

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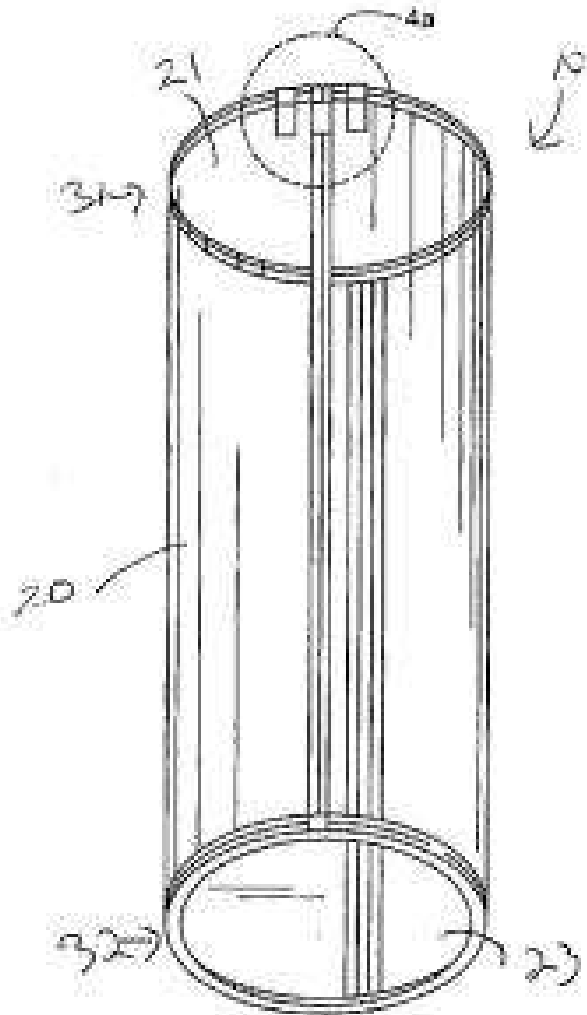
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AP - US20060381102 20060501

DT - *; Rep

CT - || R141 (A1)
[US4984906](#) A 19910115 [
] (LITTLE VICKI A [US]);
[US5709477](#) A 19980120 [
] (SCHINASI PIERO [CH], et al);
[US6193034](#) B1 20010227 [
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[US5332093](#) A 19940726 [
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 WHAN JONG);
[US5244278](#) A 19930914 [
] (ROBITAILLE SUZANNE [US]);
[US3842977](#) A 19741022 [
] (HOLLANDER L);
[US3777862](#) A 19731211 [
] (ZIPPER W);
[US4793532](#) A 19881227 [



	]	(CASH DENNIS R [US])
CCI	-	A45C7/0036
CCA	-	A45C2007/0013
CI	-	A45C7/0036 (EP, US)
CA	-	A45C2007/0013 (EP, US)
TI	-	STORAGE CONTAINER
AB	-	A flexible or semi-flexible storage container comprises a container body formed from one or more pieces of flexible or semi-flexible sheet material. Flexibly attached to the container body by one or more flexible assembly mechanisms are complimentary enclosure pieces, which when assembled together form an enclosed container. The flexible assembly mechanism comprises a zipper mechanism, however equivalent mechanisms, such as hook and loop fasteners and the like are considered in various other exemplary embodiments. The flexible or semi-flexible storage container may be selectively opened, sealed, and resealed, as described herein. In addition to being self-supporting, flexible or semi-flexible storage containers are also readily foldable or collapsible to provide easy storage that occupies minimal space.

PN - [US2003010780](#) A1 20030116

PNFP - US7044277 B2 20060516

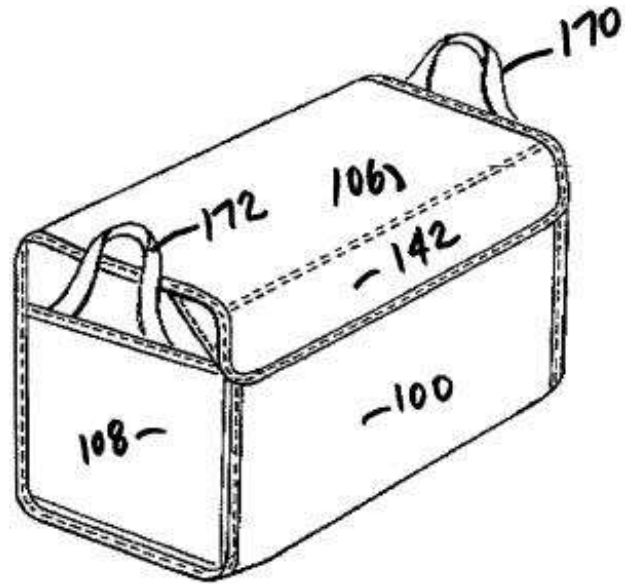
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AP - US20020178675 20020624

DT - *; Rep

CT - || R141 (A1)
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] (GODSHAW DONALD E [US], et
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[US6193034](#) B1 20010227 [
] (FOURNIER MARC [CA]);
[US3173465](#) A 19650316 [] (IDA
PASTINIELECTRA);
[US6039474](#) A 20000321 [
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[US5620069](#) A 19970415 [
] (HURWITZ GREGORY J [US]);
[US3818962](#) A 19740625 [
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] (CHARLES SHULAMIT [US]);
[US5332093](#) A 19940726 [
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[US767898](#) A 19040816 [
] (LAMPHER EDWARD ABNER
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[US5445266](#) A 19950829 [
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[US2003221924](#) A1 20031204 [
] (TONG JOY [US])

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[US1040300](#) A 19121008 [
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[US3173465](#) A 19650316 [] (IDA
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] (MULLER SCHERAK W);



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[US5620069](#) A 19970415 [
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[US2003221924](#) A1 20031204 [
] (TONG JOY [US])

- CCI - [A45C7/0077](#) ; [A45C7/0095](#)
- CCA - [Y10S190/903](#)
- CI - A45C7/0077 (EP, US)
 - A45C7/0095 (EP, US)
- CA - Y10S190/903 (EP, US)
- PA - (A1)
 TRAVEL CADDY INC DBA TRAVELO
 [US]
 - (B2)
 TRAVEL CADDY INC [US]
- TI - (A1 B2)
Collapsible storage container
- AB - (A1)
 A soft-sided **collapsible container**
 or chest is comprised of six
 panels having a generally
 rectangular shape which
 are **foldable** to form a
 rectangular
 parallelepiped **container** with
 the sides of the **container** joined
 together by a loop and **hook** or
 zipper construction provided
 along inside edges of the two end
 panels forming the **container**.
 - (B2)
 A soft-sided **collapsible container**
 or chest is comprised of six

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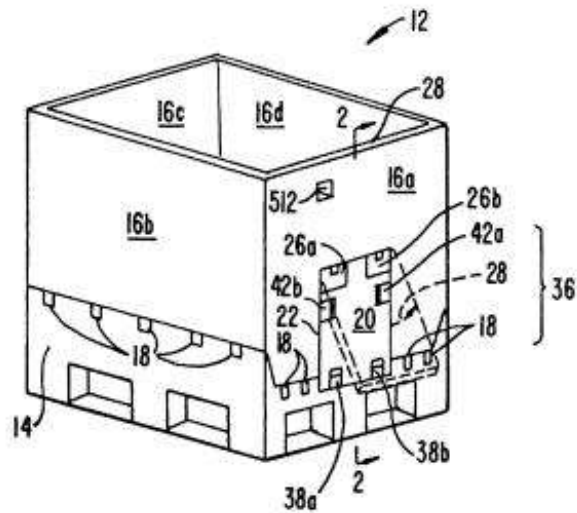
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PR - US19930173610 19931227

AP - US19930173610 19931227

DT - **

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 [US4192430](#) A 19800311 [
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 [US4305508](#) A 19811215 [
] (RODGERS KENNETH G);
 [US4331234](#) A 19820525 [
] (GILBERT EARL F);
 [US4391371](#) A 19830705 [
] (SIEFFERT WILLIAM G);
 [US4646928](#) A 19870303 [] (ONO
TATSUO [JP], et al);
 [US4674647](#) A 19870623 [
] (GYENGE ANDREW [AU], et al);
 [US4693386](#) A 19870915 [
] (HUGHES LARRY R [CA], et al);
 [US4720020](#) A 19880119 [] (SU
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] (GOSSLER HANS K [US], et al);
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 [US4940155](#) A 19900710 [
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 [US4967927](#) A 19901106 [
] (REILAND CHERYL M [US], et al);
 [US5000372](#) A 19910319 [



] (HOLLANDER DAVID S [US], et al);
[US5038953](#) A 19910813 [
] (RADAR HELMUT [US]);
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] (PIERITZ SR JOHN R [US]);
[US5114037](#) A 19920519 [
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[US5161709](#) A 19921110 [
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[US5199592](#) A 19930406 [
] (REILAND CHERYL M [US], et al);
[US5289935](#) A 19940301 [
] (HILLIS MARK [US], et al)

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[B65D25/005](#)

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[B65D2519/00069](#) ;
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 - B65D25/005 (EP, US)

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	- B65D2519/00288 (EP, US)
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	- B65D2519/0099 (EP, US)
	- B65D2519/00995 (EP, US)
PA	- PERSTORP XYTEC [US]
TI	- Collapsible container with reduced deflection
AB	- A collapsible, foldable container with reduced deflection and increased strength and convenience is provided. A door can be provided in the lower portion in one or more of the sidewalls, opening upward and outward without unduly loading the door hinges. A latch is provided to hold the door in the open configuration engageable by slamming open and disengaging by jerking close. In one embodiment, the base of the container includes a plate having ribbing extending upwardly therefrom. When a smooth-bottomed surface is desired, a plate may be installed on top of the upwardly extending ribbing. Ribbing on the bottom surface and/or sidewall surfaces can include close-loop or circular ribs with integral ribbing extending radially therefrom. Preferably, containers

are configured so that they can be stacked, one upon the other, either with or without a top or lid. Preferably, the lid, when provided, avoids pooling of liquids such as rainwater by having a domed-shape and by providing channels in a peripheral ridge. Sagging in the components of the **container** can be at least partially avoided by providing ribbing in regions extending from the center of the bottom of the **container** towards peripheral portions, preferably corners.

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- PN - [WO9518749](#) A2 19950713
- PNFP - WO9518749 A3 19950810
- PR - US19930173610 19931227
- AP - WO1994US14939 19941227
- DT - *; Rep
- CT - |US| ISR (A3)
[US4917255](#) A 19900417 [X] (FOY DENNIS M [US], et al);
[US4735331](#) A 19880405 [X] (KEENAN DANIEL J [US], et al);
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- CCI - [B65D11/1833](#) ; [B65D19/18](#) ; [B65D25/005](#)
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	- B65D2519/00422 (EP, US)
	- B65D2519/00427 (EP, US)
	- B65D2519/00502 (EP, US)
	- B65D2519/00557 (EP, US)
	- B65D2519/00587 (EP, US)
	- B65D2519/00651 (EP, US)
	- B65D2519/00711 (EP, US)
	- B65D2519/00805 (EP, US)
	- B65D2519/00875 (EP, US)
	- B65D2519/00965 (EP, US)
	- B65D2519/0099 (EP, US)
	- B65D2519/00995 (EP, US)
PA	- (A2 A3) PERSTORP XYTEC INC [US]
TI	- (A2 A3) COLLAPSIBLE CONTAINER WITH REDUCED DEFLECTION
AB	- (A2) A collapsible, foldable container with reduced deflection and increased strength and convenience is provided. A door can be provided in the lower portion in one or more of the sidewalls, opening upward and outward without unduly loading the door hinges. A latch is provided to hold the door in the open configuration engageable by slamming open and disengaging by jerking close. In one embodiment, the base of the container includes a plate having ribbing extending upwardly therefrom. When a smooth-bottomed surface is desired, a plate may be installed on top of the upwardly extending ribbing. Ribbing on the bottom surface and/or sidewall surfaces can include close-loop or circular ribs with integral ribbing extending radially therefrom. Preferably, containers are configured so that they can be stacked, one upon the other, either with or without a top or lid. Preferably, the lid, when provided, avoids pooling of liquids such as rainwater by having a domed-shape and by providing channels in a peripheral ridge. Sagging in the components of the container can be at least partially avoided by providing ribbing in regions extending from the center of the bottom of the container towards peripheral portions, preferably corners.

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PN	- CA2309234 A1 20001130
PR	- CA19992273556 19990531; CA20002309234 20000523
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CCI	- B65D11/1833
CI	- B65D11/1833 (EP)
PA	- MEREY THOMAS GABRIEL BELA [CA]

TI - **FOLDABLE CONTAINER**

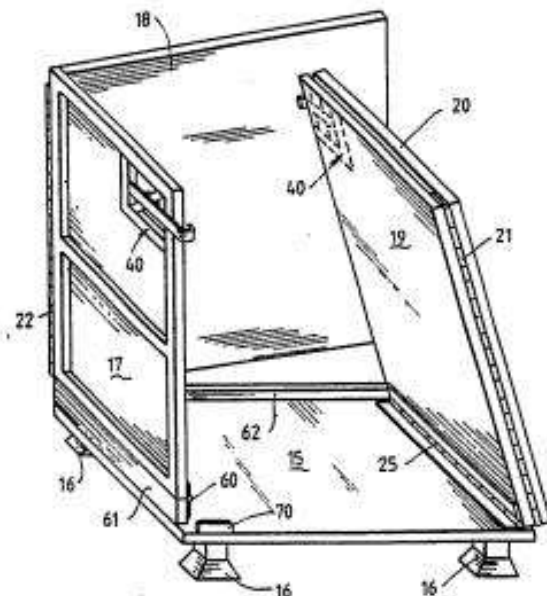
AB - A **collapsible container** has a base and a number of panels which are pivotally mounted to the base. When the **container** is being stored, the panels lie beside the base or upon the base, one on top of the other. When the **container** is in use, the panels are upright and define an enclosure. A **latch** is provided for interlocking adjacent panels. The **latch** has a slider which is slidable vertically when the **container** is upstanding and which slides between **latch**-locking and **latch**-unlocking positions. The **latch** further has a catch which is movable horizontally when the **container** is upstanding and which moves from a locking position for locking adjacent panels to an unlocking position. The **latch** has means for converting vertical movement of the slider to horizontal movement of the catch.

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PN - [WO9205078](#) A1 19920402
PR - AU1990PK02470 19900925
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[AU3480089](#) A 00000000 [X];
[AU2052788](#) A 00000000 [X];
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[AU1169776](#) A 00000000 [X];
[FR2624831](#) A1 00000000 [X];
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[AU1666283](#) A 00000000 [X];
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CCA - [B65D2519/00024](#) ;
[B65D2519/00164](#) ;
[B65D2519/00199](#) ;
[B65D2519/00288](#) ;
[B65D2519/00338](#) ;
[B65D2519/00502](#) ;
[B65D2519/00512](#) ;
[B65D2519/00532](#) ;
[B65D2519/00601](#) ;
[B65D2519/00611](#) ;
[B65D2519/00656](#) ;



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[B65D2519/00805](#) ;
[B65D2519/0088](#) ;
[B65D2519/00965](#)

- CI - B65D19/12 (EP)
- CA - B65D2519/00024 (EP)
- B65D2519/00164 (EP)
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- B65D2519/00711 (EP)
- B65D2519/00805 (EP)
- B65D2519/0088 (EP)
- B65D2519/00965 (EP)
- PA - TOSEVSKI DIMITRI [AU]
- TI - A **FOLDABLE CONTAINER**
- AB - A **collapsible container**
comprising a base panel which
may be in a form of a pallet and
a plurality of side panels which
are either directly or indirectly
hinged to the base panel so that
the side panels can assume a
folded position lying mutually
parallel on the base panel within
the confine of the periphery of
the base panel, the side panels
also being adapted to assume an
erect position in which the side
panels extend vertically of the
base panel in abutting contact to
terminate in a planar open top.
The **container** including a **latch**
member that extends from a first
side panel to clip against the
edge of the adjacent panel and
means to place the **latch** member
in tension on the adjacent panel.
The containers are stackable
both when erect or collapsed.

