

30) Family number: 20637965 (US6202844B)

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Title: Pallet container

Abstract: A cage for receiving a plastic container in the overall arrangement of a pallet-type container, having a shallow tray (3) as base of the cage, the tray being arranged on a pallet or forming the top part of a pallet, and a grid casing as wall of the cage, the grid casing being connected to the border (28) of the tray (3), is constructed such that, on its bottom border, the grid casing has a web (19) which is supported on the pallet or, if the tray (3) forms the top part of the pallet (5), on a bottom part (11, 15) [sic] of the pallet and on which the tray (3) is supported by means of its border (28), and the border (28) of the tray (3), the web (19) and the pallet, or the bottom part (4) of the pallet, are connected to one another in a positively locking manner (31, 33; 35, 36).

Classifications:**International (IPC 8-9):** B65D19/00 B65D6/08 B65D77/04

B65D77/06 B65D90/08 B65D90/20 (Advanced/Invention);

B65D19/00 B65D77/04 (Advanced/Non-invention)

International (IPC 1-7): B65D19/00 B65D19/02 B65D19/06

B65D6/02 B65D6/08 B65D77/06 B65D90/02 B65D90/04 B65D90/08

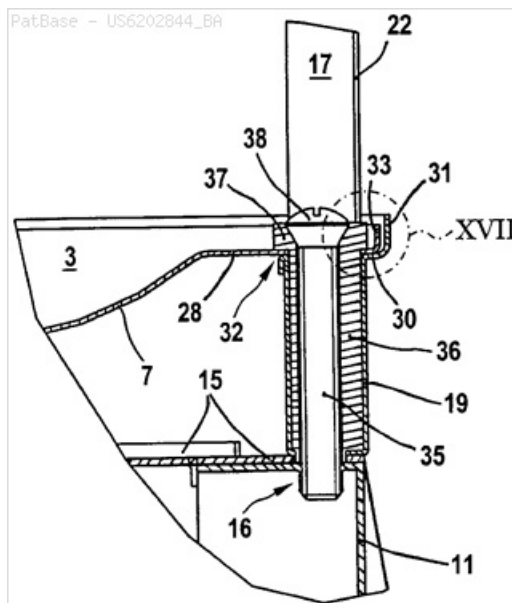
B65D90/14 B65D90/20

CPC: B65D77/0466**European:** B65D77/04D1P B65D77/06A**US:** 206/386 220/23.91 220/485 220/9.1 220/9.4**JP F-Term:** 3E063 3E063/AA07 3E063/BA02 3E063/BB02

3E063/BB04 3E063/CA09 3E063/CB04 3E063/CD09 3E063/EE01

3E070 3E070/AA28 3E070/DA01 3E070/KB10 3E070/QA01

3E070/QA20 3E070/RA02 3E070/RA03 3E070/WH01 3E070/WJ06

JP F-Index: B65D19/00 B65D90/08/Z B65D90/20**Family:**

Publication number	Publication date	Application number	Application date
AT199356 E	20010315	AT19970942925T	19970913
AT309152 E	20051115	AT19970108743T	19970913
AU199744584 A1	19980414	AU19970044584	19970913
BRPI9713209 A	20000404	BR1997PI13209	19970913
CN1230935 A	19991006	CN19971098082	19970913
DE19642119 A1	19980326	DE19961042119	19961012
DE19642119 C2	20000120	DE19961042119	19961012
DE19723806 A1	19980326	DE19971023806	19970606
DE19723806 C2	19990311	DE19971023806	19970606
DE59703076 D1	20010405	DE19975003076	19970913
DE59712478 D1	20051215	DE19975012478	19970913
EP0934213 A1	19990811	EP19970942925	19970913
EP0934213 B1	20010228	EP19970942925	19970913
EP1055613 A2	20001129	EP20000108743	19970913
EP1055613 A3	20001206	EP20000108743	19970913
EP1055613 B1	20051109	EP20000108743	19970913
ID19215 A	19980628	ID19970003240	19970919
IN01737CA1997 A	20091211	IN1997CA01737	19970919
JP2001500460 T2	20010116	JP19980514268T	19970913
TR9900423 T2	19990621	TR19990000423T	19970913
US6202844 BA	20010320	US19990254971	19990316
US6550628 BA	20030422	US20000595305	20000616
WO9812124 A1	19980326	WO1997EP05023	19970913

Priority:

DE19961038197 19960919	DE19961038199 19960919	DE19961042120 19961012
DE19961042119 19961012	DE19971023806 19970606	DE19975003076 19970913
DE19975012478 19970913	EP19970942925 19970913	WO1997EP05023 19970913
US19990254971 19990316	US20000595305 20000616	

Probable Assignee: GREIF INT HOLDING BV**Assignee(s):** (std): ROTH WERKE GMBH ; SEDLMAYR RUDOLF**Assignee(s):** ROTH WERKE GMBH 35232 DAUTPHETAL DE ; DAVIPLAST SERIVCOS DE CONSULTORIA SOC ; DAVIPLAST SERIVCOS DE CONSULTORIA SOCIEDADE UNIPES ; GREIF INT HOLDING BV**Inventor(s):** (std): MS RUDOLF SEDLMAYR DIPL ING FH ; RUDOLF SEDLMAYR ; RUDOLF SEDLMAYR DIPL ING FH MS ; SEDLMAYR RUDOLF ; SEDLMAYR RUDOLF DIPL ING ; SEDLMAYR DIPL ING

Designated states: AT AU BE BR BY CA CH CN DE DK ES FI FR GB GR IE IT JP KR LI LU MC MX NL NO PL PT RU SE TR UA
US

Abstract: A container assembly for controlling rate of oxygen transfer from the atmosphere into a liquid stored in the container assembly comprising,

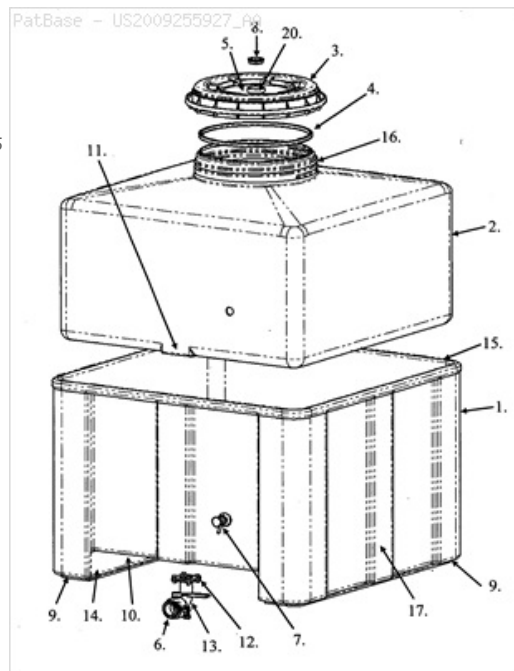
- a fork-liftable pallet bin **(1)** with solid or erectable sides,
- a sealable, polyethylene container **(2)** which allows oxygen to enter at a rate between 5 milligrams mg/l/yr and 75 mg/l/yr, having a self-supporting shape that substantially conforms to the internal surface dimensions of the bin, and
- a closure **(3)** for the neck of the container with a recessed top face **(5)** and a protruding, sealable outlet **(20)** to allow filling to a level above the recessed top face.

International (IPC 8-9): B65D21/032 B65D6/00 B65D85/72
B65D88/54 C12C11/00 C12H1/00 C12H1/12

CPC: B65D25/48 B65D41/083 B65D51/16 B65D77/0466 B65D81/245
C12H1/22

European: B65D25/48 B65D41/08A B65D51/16 B65D77/04D1P
B65D81/24B C12H1/22

US: 206/386 206/503 220/378 220/4.13 220/495.03 220/661
220/694 426/11



Publication number	Publication date	Application number	Application date
AU2009201326 AA	20091029	AU20090201326	20090405
US2009255927 AA	20091015	US20090420069	20090408

AU20080901728 20080410 AU20090201326 20090405

Agent(s): WYCHWOOD ESTATES PTY LTD; ANTHONY FLECKNOE-BROWN; ANTHONY FLECKNOE BROWN

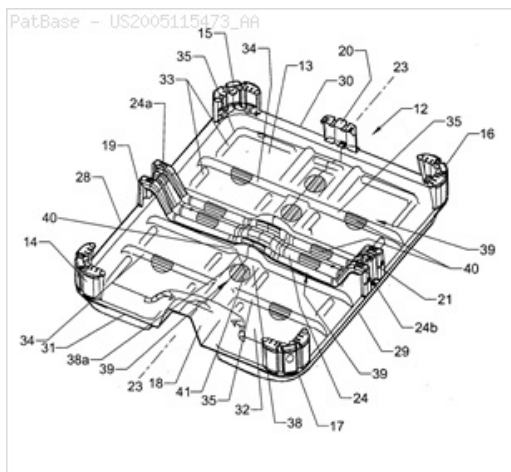
Abstract: A pallet-type support frame for transport and storage containers for liquids having an inner plastic container and an outer metal jacket has a sheet metal bottom for supporting the inner container. The bottom has a shape matched to the drainage bottom or the flat bottom of the inner container. Anti-slip support elements are arranged on the underside of the bottom such that the support frame rests with the support elements on gripping arms of a transport device. Alternatively, an anti-slip coating is provided on the underside of the bottom. The coating is engaged by gripping arms of the transport device when the support frame is transported. The support elements or anti-slip coatings are made of a material that is matched to a material of the gripping arms such that a friction coefficient as great as possible is provided between the support elements or anti-slip coatings and the gripping arms.

International (IPC 8-9): B05D14/38 B65D19/02 B65D19/10
B65D19/38 B65D19/40 B65D77/04 B65D77/06

B65D19/00 B65D19/02 B65D19/38 B65D77/04 B65D77/06
B65D88/00 (Core/Invention);

B65D19/00 (Core/Non-invention)
International (IPC 1-7): B65D19/06 B65D19/08 B65D19/38
 B65D19/40 B65D19/44 B65D65/42 B65D77/06 B65D88/12 B65F9/00
 B65G67/00

CPC: B65D19/10 B65D77/0466 B65D2519/00024 B65D2519/00059
B65D2519/00164 B65D2519/00199 B65D2519/00273
B65D2519/00288 B65D2519/00323 B65D2519/00338
B65D2519/00407 B65D2519/00412 B65D2519/00502
B65D2519/00512 B65D2519/00562 B65D2519/00621
B65D2519/00666 B65D2519/00726 B65D2519/00805
B65D2519/00835 B65D2519/0084
European: B65D19/10 B65D77/04D1P B65D77/06A
L65D519/00Y1B2 L65D519/00Y1C2 L65D519/00Y1F2
L65D519/00Y1G2 L65D519/00Y2A2 L65D519/00Y2B1
L65D519/00Y2C2 L65D519/00Y2C4B L65D519/00Y2E11B
L65D519/00Y2E11C L65D519/00Y2F2 L65D519/00Y2F5
L65D519/00Y3A1A L65D519/00Y3B2A L65D519/00Y3C2
L65D519/00Y3E2A2 L65D519/00Y4D L65D519/00Y4F1A
L65D519/00Y4F1B
US: 108/55.1 108/55.100P 108/57.32
JP F-Term: 3E063 3E063/AA03 3E063/AA11 3E063/BA01
3E063/CA04 3E063/CA06 3E063/EE01 3E070 3E070/AA02
3E070/AB01 3E070/DA07 3E070/QA01 3E070/RA02 3E070/RA03
3E070/RA30 3E070/SA02 3E070/SA04 3E070/VA21
JP F-Index: B65D19/40/A B65D88/12/E



Family:

Publication number	Publication date	Application number	Application date
AR047256 AA	20060111	AR2004P104379	20041126
AT356760 E	20070415	AT20040027365T	20041118
AU2004233500 AA	20050616	AU20040233500	20041126
AU2004233500 BB	20071206	AU20040233500	20041126
BRPI0405289 A	20050719	BR2004PI05289	20041126
CN1323902 C	20070704	CN200410095640	20041126
CN1621316 A	20050601	CN200410095640	20041126
DE10355421 A1	20050804	DE20031055421	20031127
DE502004003200 D1	20070426	DE200450003200T	20041118
DK1535858 T3	20070723	DK20040027365T	20041118
EP1535858 A1	20050601	EP20040027365	20041118
EP1535858 B1	20070314	EP20040027365	20041118
ES2280885 T3	20070916	ES20040027365T	20041118
IN01262CH2004 A	20060224	IN2004CH01262	20041124
IN212170 B	20080111	IN2004CH01262	20041124
JP2005154016 A2	20050616	JP20040341328	20041126
JP4054015 B2	20080227	JP20040341328	20041126
MXPA04011724 A1	20051026	MX2004PA11724	20041125
MY136621 A	20081031	MY20040004903	20041126
NO20045085 A	20050530	NO20040005085	20041123
NO327940 B1	20091026	NO20040005085	20041123
RU2004134643 A	20060510	RU20040134643	20041126
RU2315701 C2	20080127	RU20040134643	20041126
US2005115473 AA	20050602	US20040993400	20041119
US7107912 BB	20060919	US20040993400	20041119
ZA200409372 A	20050713	ZA20040009372	20041122

Priority:

DE20031005421 20031127 DE20031055421 20031127

Probable Assignee: PROTECHNA SA

Assignee(s): (std): PROTECHNA S A ; PROTECHNA SA ; SCHUTZ UDO

Assignee(s): PROTECHNA S A FREIBURG FRIBOURG ; M S PROTECHNA S A ; PROTECHNA

Inventor(s): (std): UDO SCHUTZ ; UDO SCHUETZ ; SCHUTZ UDO ; SCHUETZ UDO

Agent(s): PHILLIPS ORMONDE FITZPATRICK; FRIEDRICK KUEFFNER; FRIEDRICH KUEFFNER

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

33) Family number: 13343794 (US6454113B)

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Title: Transport and storage container for liquids and method for manufacturing the inner container of the transport and storage container

Abstract: A transport and storage container for liquids has a pallet underframe to be handled by various transport devices. A parallelepipedal or cubic inner container of plastic material with a closeable fill and outlet opening or a closeable fill and removal opening is provided. A metal cage rests against the inner container and is formed of crossing horizontal and vertical cage rods of metal. The flexible inner container has an inner envelope of a plastic foil and an outer envelope of a woven material. The inner container is fastened to at least one of an upper frame of the metal cage and a protective cover of the metal cage. The inner envelope is positioned in the outer envelope of the inner container.

Classifications:

International (ipc 8-9): B65D19/00 B65D19/02 B65D30/16
B65D77/04 B65D77/06 B65D88/22 (Advanced/Invention);
B65D19/02 B65D30/16 B65D77/04 (Advanced/Non-invention);
B65D19/02 B65D30/16 B65D77/04 B65D77/06
B65D88/00 (Core/Invention)

International (ipc 1-7): B65D19/02 B65D23/08 B65D30/16
B65D30/18 B65D6/40 B65D77/06 B65D77/06 B65D88/22 B65D88/52
B65D90/04 B65D90/20

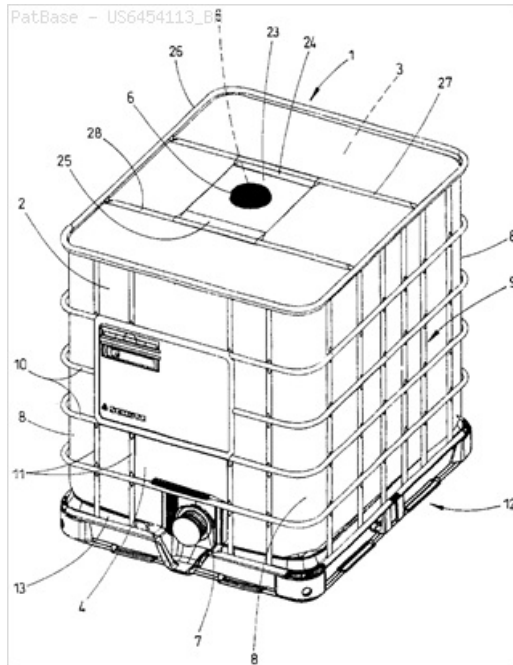
CPC: B65D77/0466 B65D77/061

European: B65D77/04D1P B65D77/06A

US: 220/1.6 220/293 220/495.06 220/9.4

JP F-Term: 3E063 3E063/AA07 3E063/BA02 3E063/BB02

3E063/BB04 3E063/CA09 3E063/CB04 3E063/EE01 3E063/FF09
 3E064 3E064/AB03 3E064/BA09 3E064/BA26 3E064/BA36
 3E064/BB03 3E064/EA21 3E064/FA04 3E064/GA01 3E064/HM01
 3E064/HN65 3E064/HR01 3E064/HS04 3E067 3E067/AA03
 3E067/BA09 3E067/BA12 3E067/BB11 3E067/BB24 3E067/BC06
 3E067/FA03 3E067/FB15 3E067/FC01 3E070 3E070/AA28
 3E070/AB01 3E070/DA07 3E070/DA10 3E070/GB04 3E070/GB09
 3E070/JA10 3E070/QA11 3E070/SA02 3E070/SA03 3E070/SA05
JP F-Index: B65D19/02 B65D30/16/G B65D77/06/Z B65D88/22/B
 B65D90/04/G



Family:

Publication number	Publication date	Application number	Application date
AR026587 AA	20030219	AR2000P106184	20001123
AT288861 E	20050215	AT20000125172T	20001118
AU200071710 A1	20010531	AU20000071710	20001120
AU200071710 A5	20010531	AU20000071710	20001120
AU767065 B2	20031030	AU20000071710	20001120
BRPI0006797 A	20010717	BR2000PI06797	20001127
CN1144740 C	20040407	CN20001037321	20001125
CN1298827 A	20010613	CN20001037321	20001125
DE19957215 A1	20010607	DE19991057215	19991127
DE19957215 C2	20011018	DE19991057215	19991127
DE50009464 D1	20050317	DE20005009464	20001118
DK1103486 T3	20050613	DK20000125172T	20001118
EP1103486 A1	20010530	EP20000125172	20001118
EP1103486 B1	20050209	EP20000125172	20001118
ES2235742 T3	20050716	ES20000125172T	20001118
IN00992MA2000 A	20070518	IN2000MA00992	20001122
IN217193 B	20080523	IN2000MA00992	20001122
JP2001163358 A2	20010619	JP20000359716	20001127
JP3497128 B2	20040216	JP20000359716	20001127
MXPA00011466 A1	20020424	MX2000PA11466	20001122
NO20005500 A	20010528	NO20000005500	20001101
NO20005500 A0	20001101	NO20000005500	20001101
PL344071 A1	20010604	PL20000344071	20001123
RU2000129409 A	20021127	RU20000129409	20001124
RU2250866 C2	20050427	RU20000129409	20001124
US6454113 BA	20020924	US20000713523	20001115
ZA200006286 A	20010124	ZA20000006286	20001106

Priority:

DE19991057215 19991127 DE20005009464 20001118

Probable Assignee: PROTERCHNA SA

Assignee(s): (std): PROTECHNA SA

Assignee(s): PROTERCHNA RUE INT PIEERE SA ; PROTERCHNA SA ; PROTECHNA S A ; PROTECHNA S A FREIBURG FRIBOURG

Inventor(s): (std): UDO SCHUTZ ; SCHUTZ UDO ; SCHUETZ UDO ; HUTZ U

Inventor(s): U HUTZ ; UDO SCHUETZ

Agent(s): PHILLIPS ORMONDE FITZPATRICK

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

34) Family number: 41519214 (DE202007015952U1)

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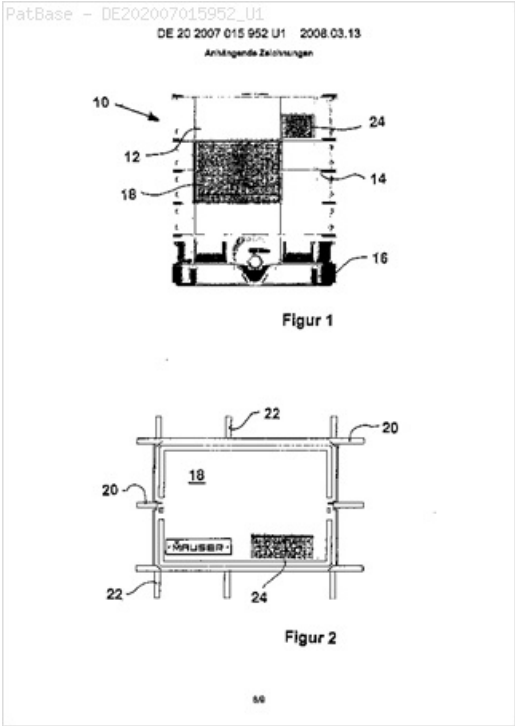
Title: KENNZEICHNUNGSTAFEL IDENTIFICATION PANEL (Machine translation)

Abstract: Source: DE202007015952U1 [DE] (Claim 1) 1 Kennzeichnungstafel (18) fuer einen wiederaufgearbeitetenPalettencontainer (10) zur Lagerung und zum Transport von fluessigenoder fließfähigen Fuellguetern, mit einem inneren duennwandigenKunststoff-Innenbehaelter (12), der eine obere Einfuelloeffnungund ggfs. ein unteres Entnahmeventil aufweist, mit einem, den Kunststoffbehaelter(12) dicht umschliessenden Gitterrahmen (14) aus gegeneinanderverschweissten vertikalen und horizontalen Gitterstaeben (22, 24) und einer Bodenpalette (16), auf welcher der Kunststoffbehaelter(12) aufliegt und auf welcher der Gitterrahmen (14) befestigtist, wobei aussenseitig auf dem Gitterrahmen eine Beschriftungstafel bzw. dieKennzeichnungstafel (= Label Plate) (18) zur Kennzeichnung des

jeweiligenFuellgutes angebracht ist, dadurch gekennzeichnet ist, dass die spezifischenAngaben ueber die erfolgte Wiederaufarbeitung des gebrauchten Palettencontainers(wie z. B. Datum der Wiederaufarbeitung, Name des Rekonditionierers, neuer Innenbehaelter,Name des Herstellers des neuen Kunststoff-Innenbehaelters, neue Zulassungsnummeretc.) auf einer zusaetzlichen duennen Metallplatte (24) eingepraegtoder mit einer feuerfesten Farbe aufgebracht sind, wobei die Metallplatte (24)dauerhaft fest und nur mit besonderen Werkzeugen loesbar oder unloesbarauf der Kennzeichnungstafel (18) des Palettencontainers (10) befestigtist. **Machine translation:** (Claim 1) 1 marking board (18) for a reprocessing pallet container (10) to the storage and to transport of more fluessigenoder fluid filling materials, with an internal thin-walled plastic interior container (12), which upper Einfuelloeffnungund a lower Entnahmeventil exhibits if necessary, with the plastic container (12) closely enclosing lattice framework (14) from against each other-welded vertical and horizontal lattice bars (22, 24) and a soil pallet (16), which the plastic container (12) rests upon and on which the lattice framework (14) befestigtist, whereby externallaterally on the lattice framework an inscription board and/or a those marking board (= label Plate) (18) for the marking of the respective filling material is attached, thereby is characterizedthat specific over the reprocessing of the used pallet container taken place (like e.g. Date of the reprocessing, name of the Rekonditionierers, new interior container, name of the manufacturer of the new plastic interior container, new certification number etc.) on an additional thin metal plate (24) more eingepraegtoder with a fireproof color applied is, whereby the metal plate (24) befestigtist durably firmly and only with special tools solvable or inseparably the marking board (18) of the pallet container (10).

Classifications:

International (IPC 8-9): B65D19/04 B65D19/18
B65D19/38 (Advanced/Invention);
B65D19/02 B65D19/38 (Core/Invention)
CPC: B65D77/0466
European: B65D19/38 B65D77/04D1P



Family:

Publication number	Publication date	Application number	Application date
DE202007015952 U1	20080207	DE200720015952U	20071113

Priority:

DE200720015952U 20071113

Probable Assignee: MAUSER WERKE GMBH

Assignee(s): (std) MAUSER WERKE GMBH

35) Family number: 30571565 (US2004164081A)

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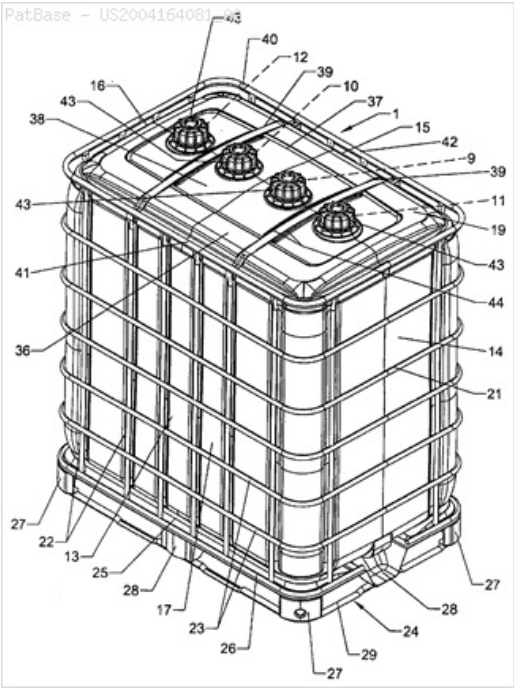
Title: STORAGE CONTAINER FOR LIQUIDS AND METHOD OF PRODUCING THE OUTER CONTAINER OF THE STORAGE CONTAINER

Abstract: A storage container for liquids has a blow-molded plastic inner container, which has four sidewalls, a bottom, and a convex top with various connecting sockets. A blow-molded plastic outer container is formed by four sidewalls, a bottom, and a removable, convex plastic cover with corresponding through-holes for the connections of the inner container and serves to make the inner container leakproof. An outer cage consists of metal grating bars. Finally, a pallet-like support base is made of metal for standing and moving the storage container by forklift or similar handling equipment.

Classifications:

International (IPC 8-9): B65D1/02 B65D1/12 B65D19/02 B65D19/06
B65D19/10 B65D6/10 B65D77/04 B65D77/06 B65D88/12 B65D90/00
B65D90/02 B65D90/16 B65D90/22 B65D90/24
B65D90/50 (Advanced/Invention);
B65D1/00 B65D1/02 B65D19/02 B65D6/00 B65D77/04 B65D77/06
B65D88/00 B65D90/00 B65D90/02 B65D90/12
B65D90/22 (Core/Invention)
International (IPC 1-7): B65D B65D061/00 B65D077/04 B65D085/00
B65D1/02 B65D1/12 B65D19/02 B65D19/06 B65D19/18 B65D25/14
B65D6/10 B65D6/28 B65D61/00 B65D77/04 B65D77/06 B65D8/06
B65D8/18 B65D85/00 B65D88/12 B65D90/00 B65D90/02 B65D90/16
B65D90/22 B65D90/24 B65D90/48 B65D90/50
CPC: B65D77/0466 B65D90/24 B65D90/501
European: B65D77/04D1P B65D77/06A B65D90/24 B65D90/50B
US: 220/495.01
JP F-Term: 3E061/AA30 3E061/AB04 3E061/AB09
3E061/DA03 3E061/DA12 3E063 3E063/AA06 3E063/BA01
3E063/BB04 3E063/BB10 3E063/CB02 3E063/FF03 3E067
3E067/AA03 3E067/AB99 3E067/BA02/B 3E067/BA02/C
3E067/BA05/B 3E067/BA05/C 3E067/BB14/B 3E067/BB14/C

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3E070/SA02 3E070/SA04 3E070/WH02
JP F-Index: B65D19/06 B65D6/10 B65D77/04/A B65D88/12/C
B65D90/00/F B65D90/02/F B65D90/16 B65D90/22/Z



Family:

Publication number	Publication date	Application number	Application date
AR040614 AA	20050413	AR2003P104148	20031112
AT360587 E	20070515	AT20030025274T	20031106
AU2003262100 AA	20040603	AU20030262100	20031112
AU2003262100 BB	20050428	AU20030262100	20031112
BRPI0305268 A	20040831	BR2003PI05268	20031110
CN1261332 C	20060628	CN200310116377	20031113
CN1500697 A	20040602	CN200310116377	20031113
DE10252745 B3	20040617	DE20021052745	20021113
DE50307125 D1	20070606	DE20035007125	20031106
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EP1419980 B1	20070425	EP20030025274	20031106
ES2285021 T3	20071116	ES20030025274T	20031106
IN196302 B	20060519	IN2003CH00926	20031112
JP2004161378 A2	20040610	JP20030380758	20031111
MXPA03010199 A1	20050606	MX2003PA10199	20031107
NO20035019 A	20040514	NO20030005019	20031112
NO20035019 A0	20031112	NO20030005019	20031112
PL363340 A1	20040517	PL20030363340	20031106
RU2003133186 A	20050420	RU20030133186	20031112
RU2257318 C1	20050727	RU20030133186	20031112
US2004164081 AA	20040826	US20030704370	20031107
ZA200308502 A	20040211	ZA20030008502	20031031

Priority:

DE20021002745 20021113 DE20021052745 20021113 DE20035007125 20031106

Probable Assignee: SCHUTZ GMBH AND CO KGAA

Assignee(s): (std): SCH TZ GMBH AND CO KGAA ; SCHUETZ GMBH AND CO KGAA ; SCHUTZ GMBH AND CO KGAA

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Inventor(s): (std): SCHUETZ UDO ; SCHUTZ UDO ; UDO SCHUETZ ; UDO SCHUTZ

Agent(s): PHILLIPS ORMONDE FITZPATRICK

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

36) Family number: 30543479 (US2001011655A)

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Title: TRANSPORT AND STORAGE CONTAINER FOR LIQUIDS

Abstract: A transport and storage container for liquids has a flexible inner container of an inner envelope of plastic material and an outer envelope of a woven material. The container also has a cage of crossing horizontal and vertical cage rods of metal as well as a pallet underframe of metal. The flexible inner container is suspended from cover rods connected at the upper frame of the cage of the transport container. The outflow socket of the inner container is detachably connectable with a holding device on the cage of the transport container.

Classifications:

International (ipc 8-9): B65D6/40 B65D77/04 B65D77/06

B65D83/00 B65D88/12 B65D88/20 B65D88/22

B65D90/20 (Advanced/Invention);

B65D77/04 B65D83/00 (Advanced/Non-invention);

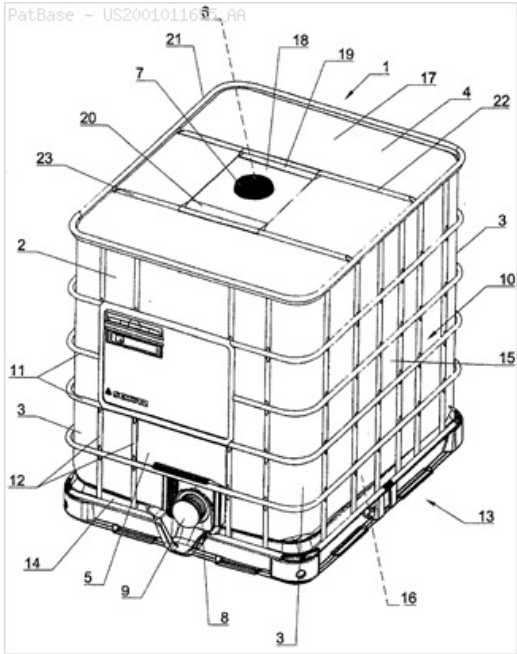
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B65D90/12 (Core/Invention)

International (ipc 1-7): B65B B65D B65D23/08 B65D25/00

B65D30/18 B65D6/40 B65D77/06 B65D83/00 B65D88/12 B65D88/20

B65D88/22 B65D90/04 B65D90/20 F17C11/00
CPC: B65D77/0466
European: B65D77/04D1P B65D77/06A
US: 220/1.6 220/16 220/495.05 220/495.06 220/661 220/9.1
220/9.4 220/91 220/94 222/105 222/185.1 222/94
JP F-Term: 3E014 3E014/PA01 3E014/PC02 3E014/PC03
3E014/PC06 3E014/PC16 3E014/PE16 3E067 3E067/AA03
3E067/BA09/C 3E067/BA12/B 3E067/BB11/C 3E067/BB14/B
3E067/BC06/B 3E067/BC06/C 3E067/EE59 3E067/FB15 3E067/FC01
JP F-Index: B65D77/06/K B65D83/00/G



Family:

Publication number	Publication date	Application number	Application date
AR026681 AA	20030219	AR2000P106341	20001201
AT263085 E	20040415	AT20000125837T	20001125
AU200071872 A1	20010607	AU20000071872	20001128
AU200071872 A5	20010607	AU20000071872	20001128
AU773070 B2	20040513	AU20000071872	20001128
BRPI0006794 A	20010717	BR2000PI06794	20001204
CN1240593 C	20060208	CN20001037188	20001202
CN1298828 A	20010613	CN20001037188	20001202
DE19958491 C1	20010510	DE19991058491	19991204
DE50005887 D1	20040506	DE20005005887	20001125
DK1106526 T3	20040802	DK20000125837T	20001125
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EP1106526 B1	20040331	EP20000125837	20001125
ES2214212 T3	20040916	ES20000125837T	20001125
IN01016MA2000 A	20051028	IN2000MA01016	20001128
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JP2001171737 A2	20010626	JP20000368483	20001204
JP3497129 B2	20040216	JP20000368483	20001204
MXPA00011465 A1	20020424	MX2000PA11465	20001122
NO20005687 A	20010605	NO20000005687	20001110
NO20005687 A0	20001110	NO20000005687	20001110
PL344131 A1	20010618	PL20000344131	20001127
RU2188786 C2	20020910	RU20000130163	20001201
US2001011655 AA	20010809	US20000728489	20001201
US6390331 BB	20020521	US20000728489	20001201
ZA200006244 A	20010124	ZA20000006244	20001102

Priority:

DE19991058491 19991204 DE20005005887 20001125

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Agent(s): PHILLIPS ORMONDE FITZPATRICK

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

37) Family number: 31381860 (WO06027185A1)

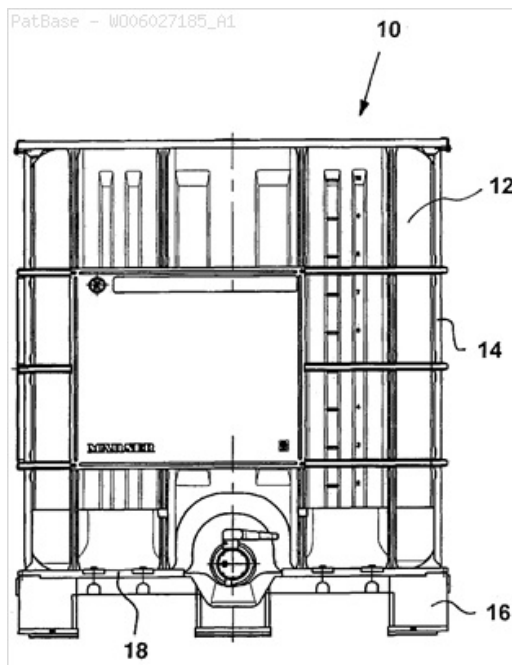
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Title: PALLET CONTAINER

Abstract: The invention relates to a pallet container (10) comprising a thin-walled, rigid inner container (12) consisting of a thermoplastic plastic for storing and transporting liquid or free-flowing contents. Said container comprises a tubular lattice frame (14) that tightly surrounds the plastic container (12) and acts as a support casing and a base pallet (16), on which the plastic container (12) stands and to which the support casing is permanently fixed, the lowest tubular rod (18), which runs horizontally around the container and lies on the base pallet (16), being fixed to the latter (16) by means of appropriate fixing elements. The aim of the invention is to improve the fixation of the lattice frame (14) to the base pallet (16) and to increase the stability of the pallet container in the event of the latter falling. To achieve this, the lowest tubular rod (18) is provided with special collar holes (20), which are used to secure the fixing elements, preferably screws, to the base pallet (16). The collar holes (20) are produced in the lowest tubular rod (18) in a two-stage working operation comprising a first punching or drilling operation and a subsequent deep-drawing operation, or in a known flow drill operation.

Classifications:

International (IPC 8-9): B21C37/29 B65D77/04
B65D77/06 (Advanced/Invention);
F16B5/02 (Advanced/Non-invention);
B21C37/15 B65D77/04 B65D77/06 (Core/Invention);
F16B5/02 (Core/Non-invention)
International (IPC 1-7): B65D19/02
CPC: B21C37/298 B21J5/066 B65D77/0466 B65D2519/00164
B65D2519/00621 B65D2519/00661 B65D2519/00666 F16B5/02
European: B21C37/29F B21J5/06B2 B65D77/04D1P B65D77/06A
L65D519/00Y1F2 L65D519/00Y3B2A L65D519/00Y3C1D
L65D519/00Y3C2 R16B5/02



Family:

Publication number	Publication date	Application number	Application date
DE202004014102 U1	20041104	DE200420014102U	20040908
WO06027185 A1	20060316	WO2005EP09515	20050905

Priority:

DE200420014102U 20040908

Probable Assignee: MAUSER WERKE GMBH AND CO KG

Assignee(s): (std): MAUSER WERKE GMBH AND CO KG ; PRZYTULLA DIETMAR ; SCHMIDT KLAUS PETER ; WEYRAUCH DETLEV ; WURZER ERNST

Inventor(s): (std): PRZYTULLA DIETMAR ; SCHMIDT KLAUS PETER ; WEYRAUCH DETLEV ; WURZER ERNST

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

38) Family number: 7643787 (US4909387A)

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Title: Pallet container with an exchangeable inner container of a synthetic resin and an outer jacket of metal lattice bars

Abstract: The pallet container comprises a wooden pallet or a steel pipe pallet, on which is mounted an inner container of a synthetic resin with a jacket of vertical and horizontal lattice bars (4, 5) of steel pipe, these bars forming continuous inner and outer tangential planes; (20-20, 25-25). At the points of intersection (15), the lattice bars are drawn in to form trough-like indentations. This configuration has the result that, at each point of intersection (15), four contact points (22) disposed in one plane (21-21) are produced with an accumulation of material in each case corresponding to four times the wall thickness of the lattice bars. The lattice bars (4, 5) are joined together at the points of intersection (15) in the zone of the contact points (22) by electric resistance welding. The pallet container is usable as a safely operating multiple-trip container for liquid merchandise of all kinds.

Classifications:

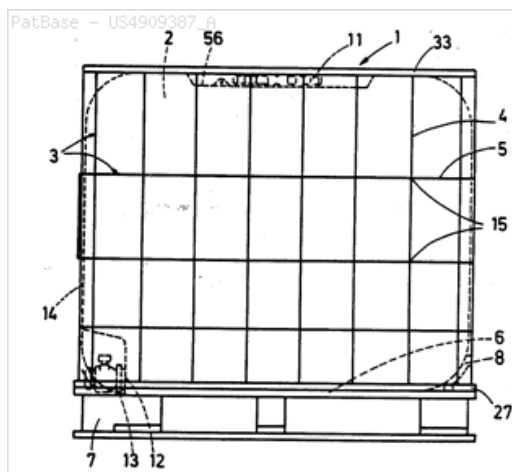
International (IPC 8-9): B65D19/02 B65D19/10 B65D6/08 B65D6/22
B65D77/04 B65D77/06 (Advanced/Invention);
B65D19/02 B65D6/00 B65D6/18 B65D77/04
B65D77/06 (Core/Invention)

International (IPC 1-7): B65D19/00 B65D19/02 B65D19/10
B65D19/26 B65D19/30 B65D6/08 B65D6/22 B65D61/00 B65D77/6
B65D81/30 B65D90/20

CPC: Y02W30/807 B65D77/0466

European: B65D77/04D1P B65D77/06A

US: 206/386 220/1.5 220/18.1 220/19 220/23.87 220/401 220/485
220/647 220/668 220/72.1 220/84 222/105 222/183



Family:

Publication number	Publication date	Application number	Application date
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CS274644 B2	19910915	CS19890006588	19891121
CS8906588 A2	19901213	CS19890006588	19891121

DE3819911 A1	19891214	DE19883819911	19880611
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DE3839647 C2	19921015	DE19883839647	19881124
DE3844605 A1	19900208	DE19883844605	19880611
DE3844605 C2	19920521	DE19883844605	19880611
DE58903451 D1	19930318	DE19895003451	19891108
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EP0370307 A3	19910116	EP19890120675	19891108
EP0370307 B1	19930203	EP19890120675	19891108
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RU1780528 C	19921207	SU19894742443	19891123
SU1780528 A3	19921207	SU19894742443	19891123
US4909387 A	19900320	US19890296125	19890112
US4909387 C1	20060103	US19890296125	19890112
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YU220989 A	19920528	YU19890002209	19891121
YU47551 B	19951003	YU19890002209	19891121

Priority:

DE19883819911 19880611 DE19883844605 19880611 DE19883839647 19881124
EP19890120675 19891108 DE19895003451 19891108

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Assignee(s): SCHUETZ WERKE GMBH UND CO KG DE ; SCHUETZ WERKE GMBH U CO DE KG ; PROTECHNA SA ; SCHUTZ UDO ; SCHUTZ WERKE GMBH AND CO KG ; SCHUTZ WERKE GMBH AND CO DE ; SCHUETZ WERKE GMBH AND CO 5418 SELTERS DE KG ; SCHUETZ WERKE GMBH AND CO KG ; SCHUETZ WERKE GMBH AND CO KG 5418 SELTERS DE

Inventor(s): (std): SCHUTZ UDO ; SCHUETZ U ; SCHUETZ UDO

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Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

39) Family number: 28231239 (US2002112979A)

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Title: PALLET CONTAINER FOR LIQUIDS

Abstract: A pallet container for liquids (10) comprises an inner plastic container (12), equipped with a filler (13) and a drain tap (14), both with a hermetic seal, protected by metal plating (16) and resting on a pallet (15), suitable to be moved with lifting means, and composed of a stamped metal plate tray (17), provided with stiffening grooves (22) and bearing elements, corner feet (18), central spacers (19, 19') and a drainer (20), made of plastic, and equipped with complementary engaging elements, for connection with a base ring (24) and with the tray (17).

Classifications:

International (IPC 8-9): B65D19/00 B65D77/04

B65D77/06 (Advanced/Invention);

B65D19/00 B65D77/04 B65D77/06 (Core/Invention)

International (IPC 1-7): B61D21/00 B65D1/34 B65D19/00

B65D19/06 B65D19/06 B65D77/06 B65D77/06

CPC: Y10S220/06 B65D19/0012 B65D77/0466 B65D2231/00

B65D2519/00024 B65D2519/00059 B65D2519/00104

B65D2519/00129 B65D2519/00273 B65D2519/00288

B65D2519/00318 B65D2519/00343 B65D2519/00407

B65D2519/00437 B65D2519/00447 B65D2519/00557

B65D2519/00562 B65D2519/00572 B65D2519/0086 B65D2565/385

European: B65D19/00C1B2A B65D77/04D1P B65D77/06A

L65D231/00 L65D519/00Y1B2 L65D519/00Y1C2 L65D519/00Y1D4

L65D519/00Y1E2 L65D519/00Y2A2 L65D519/00Y2B1

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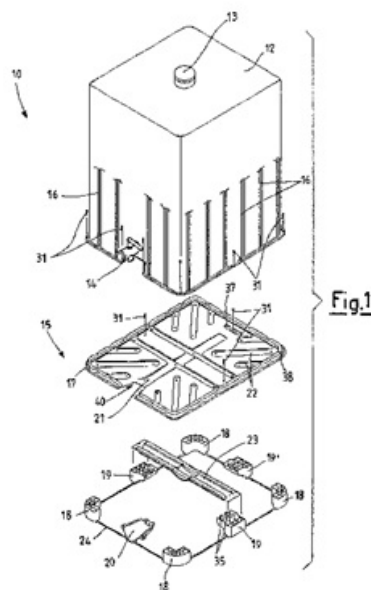
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US: 206/386 220/571 220/601 220/9.4 220/DIG.6

PatBase - US2002112979_AA

Patent Application Publication Aug. 22, 2002 Sheet 1 of 7 US 2002/0112979 A1



Family:

Publication number	Publication date	Application number	Application date
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BRPI0200484 A	20021008	BR2002PI00484	20020219	
DE60200454 D1	20040617	DE20026000454	20020211	
DE60200454 D1	20040617	DE20026000454T	20020211	
DE60200454 T2	20050525	DE20026000454T	20020211	
DK1232961 T3	20040920	DK20020075533T	20020211	
EP1232961 A1	20020821	EP20020075533	20020211	
EP1232961 B1	20040512	EP20020075533	20020211	
ES2220871 T3	20041216	ES20020075533T	20020211	
ITMI20010343 A1	20020820	IT2001MI00343	20010220	
PT1232961 T	20040930	PT20020075533T	20020211	
TR200401927 T4	20040921	TR20040001927T	20020211	
US2002112979 AA	20020822	US20020071683	20020208	
US6719164 BB	20040413	US20020071683	20020208	

Priority:

IT2001MI00343 20010220

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Inventor(s): (std): MASCHIO PIETRO

Inventor(s): PIETRO MASCHIO

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR