

PatBase - Search results 12 June 2019

Search query (1): [SP]: Transporting and storage container 20 for liquids, having an inner container (22) made of plastics material, having an outer casing (31), which is designed preferably in the form of a lattice and is made of metal, and having a pallet like lower framework (24), which is designed to be handled by means of forklift trucks or similar means of transport, and having a supporting base (23) which is made of sheet metal and is intended for supporting the inner container (22), which has at least one filler nozzle (45) provided on its upper side, wherein the inner container (22) and the outer casing (31) have arranged between them an intermediate container (21) which is made of sheet metal, accommodates the inner container on all sides and has a lateral-surface enclosure (25), a container cover (26), which is connected to the lateral-surface enclosure (25), and a container-base, which is connected to the lateral-surface enclosure (25), wherein the container base is formed by the supporting base (23) of the lower framework (24).

Results: 11**Search history**

Search [SP]: Transporting and storage container 20 for liquids, having an inner container (22) made of plastics material, having an outer casing (31), which is designed preferably in the form of a lattice and is made of metal, and having a pallet like lower framework (24), which is designed to be handled by means of forklift trucks or similar means of transport, and having a supporting base (23) which is made of sheet metal and is intended for supporting the inner container (22), which has at least one filler nozzle (45) provided on its upper side, wherein the inner container (22) and the outer casing (31) have arranged between them an intermediate container (21) which is made of sheet metal, accommodates the inner container on all sides and has a lateral-surface enclosure (25), a container cover (26), which is connected to the lateral-surface enclosure (25), and a container-base, which is connected to the lateral-surface enclosure (25), wherein the container base is formed by the supporting base (23) of the lower framework (24). (Results 11)

1) Family number: 30315007 (US5971185A)

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Title: TRANSPORT AND STORAGE CONTAINER FOR LIQUIDS**Priority:** DE19971020931 19970520 DE19985000321 19980506

Family:	Publication number	Publication date	Application number	Application date
	AR008342 AA	19991229	AR1998P102226	19980513
	AU199865970 A1	19981126	AU19980065970	19980515
	AU739967 B2	20011025	AU19980065970	19980515
	BRP19801663 A	19990914	BR1998PI01663	19980519
	CN1094873 C	20021127	CN19981009759	19980429
	CN1199702 A	19981125	CN19981009759	19980429
	DE19720931 A1	19981203	DE19971020931	19970520
	DE19720931 C2	19991202	DE19971020931	19970520
	DE59800321 D1	20001207	DE19985000321	19980506
	DK0879771 T3	20010108	DK19980108202T	19980506
	EP0879771 A1	19981125	EP19980108202	19980506
	EP0879771 B1	20001102	EP19980108202	19980506
	ES2151305 T3	20001216	ES19980108202T	19980506
	IN01070MA1998 A	20051028	IN1998MA01070	19980925
	IN200826 B	20070223	IN1998MA01070	19980519
	JP11029144 A2	19990202	JP19980133129	19980515
	JP3574327 B2	20041006	JP19980133129	19980515
	MY125885 A	20060830	MY19980002159	19980514
	NO318589 B1	20050411	NO19980002278	19980519
	NO982278 A	19981123	NO19980002278	19980519
	NO982278 A0	19980519	NO19980002278	19980519
	NO982278 L	19981123	NO19980002278	19980519
	PL192620 B1	20061130	PL19980326378	19980519
	PL326378 A1	19981123	PL19980326378	19980519
	RU2184062 C2	20020627	RU19980109155	19980519
	RU98109155 A	20000627	RU19980109155	19980519
	US5971185 A	19991026	US19980081874	19980520

Probable Assignee: PROTECHNA SA**Assignee(s):(std):** PROTECHNA S A ; PROTECHNA SA ; PROTEKHNA S A**Assignee(s):** PROTEKHNA SA ; PROTECHNA SS ; PROTECHNA S A FREIBURG FRIBOURG ; PROTECHNA S A FREIBURG FRIBOURG CH ; M S PORTECHNA S A ; PROTECHNA RUE SAINT PIERRE SA**Inventor(s):(std):** UDO SCHUTZ ; UDO SCHUETZ ; U SCHUTZ ; SHJUTTS UDO ; SCHUTZ UDO ; SCHUTZ U ; SCHUETZ UDO ; SCH TZ UDO**Inventor(s):** SCH³TZ UDO**Agent(s):** PHILLIPS ORMONDE FITZPATRICK**Designated states:** DE DK ES FI FR GB IT SE

International class (IPC 8-9): B65D19/02 B65D19/10 B65D19/38 B65D77/04 B65D77/06 B65D88/12 B65D90/00 B65D90/22 B65D90/46 (Advanced/Invention); B65D19/38 B65D77/04 B65D90/00 (Advanced/Non-invention); B65D19/02 B65D19/38 B65D77/04 B65D77/06 B65D90/00 B65D90/22 (Core/Invention)

International class (IPC 1-7): B65D B65D19/02 B65D19/10 B65D19/38 B65D6/02 B65D77/06 B65D81/00 B65D81/34 B65D85/72 B65D90/00 B65D90/04 B65D90/22 B65D90/46 B65G3/04

CPC: B65D2213/00 B65D77/0466 B65D2213/02**European class:** B65D77/04D1P B65D77/06A L65D213/02**US class:** 220/1.6 220/16 220/23.9 220/239 220/495.06 220/592.21 220/9.4 220/94[Classification Explorer](#)**Cited documents:** US5680955 A, US5658679 A, US5467884 A, US5253777 A, US4919366 A, US3603107 A, US3410443 A,

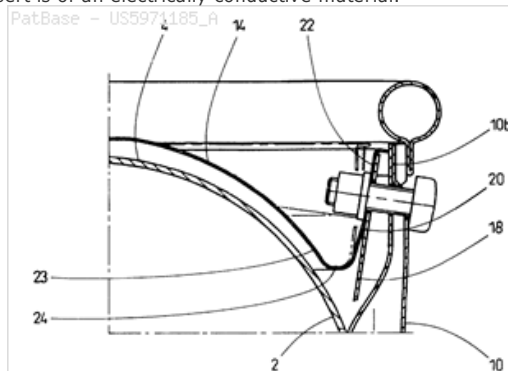
EP0674470 A1, EP0656299 A2, EP0542110 A1, EP0509228 A2, EP0461666 A1, DE8519765 U1, DE4414378 A1, DE4221380, DE4125524 A1, DE29520520 U1, DE2733126 A1, DE19511723 C1, AU2835592 A1,

Forward Citations:

WO17108288, WO17028949, WO14183763, US9036321, US9011071, US9004841, US8721255, US8690512, US8668425, US8657557, US8596953, US7837428, US7210594, US7165694, US7042695, US6662962, US6454113, US6431387, US6294761, US2018237199, US2009277900, US2009114655, US2008317987, US2007199937, US2006027582, US2005082076, US2004218336, US2003230580, US2003196923, TWI628127, RU2477249, KR200447769, JP5486572, JP4180063, JP4101244, JP2012504530, JP2012071894, JP2009523674, JP2005263323, JP2005246481, EP2979991, EP1357052, EP1357052, DE202014010562, DE10216960, DE102008038546, DE10042296, CN108430883, CN107922099, CN106697617, CN105366167, CN105366167, CN102785829, CN102785829, CN102060150,

Abstract:

A transport and storage container for liquids with a pallet-like underframe, an exchangeable inner container of synthetic material with four side walls, a bottom wall and a top wall, a closeable inlet opening at the top and a lower outlet opening with a draining device, and with an outer casing surrounding the inner container, wherein the outer casing is formed of vertically and horizontally extending grate rods of metal. The transport and storage container is provided with a support insert with four side walls arranged between the inner container and the outer casing, wherein the support insert is of an electrically conductive material.



2) Family number: 50750262 (US2012055830A)

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Title: TRANSPORT AND STORAGE CONTAINER FOR LIQUIDS

Priority: DE201010040270 20100906

Family:

Publication number	Publication date	Application number	Application date
AR082831 AA	20130109	AR2011P103187	20110831
AU2011205158 AA	20120322	AU20110205158	20110804
AU2011205158 BB	20140206	AU20110205158	20110804
BRPI1104599 A2	20130115	BR2011PI04599	20110902
CN102442458 A	20120509	CN201110263313	20110902
CN102442458 B	20141224	CN201110263313	20110902
CO6400021 A1	20120315	CO20110111918	20110831
DE102010040270 A1	20120308	DE201010040270	20100906
EP2426067 A1	20120307	EP20110175514	20110727
EP2426067 B1	20121205	EP20110175514	20110727
ES2400873 T3	20130415	ES20110175514T	20110727
IN02316MU2011 A	20121221	IN2011MU02316	20110817
IN311133 B	20190419	IN2011MU02316	20110817
JP2012056636 A2	20120322	JP20110190378	20110901
JP5486566 B2	20140507	JP20110190378	20110901
KR101381697 B1	20140404	KR20110088832	20110902
KR20120024496 A	20120314	KR20110088832	20110902
MX2011009112 A1	20120322	MX20110009112	20110831
MY160469 A	20170315	MY20110004130	20110905
RU2011136251 A	20130310	RU20110136251	20110901
RU2506210 C2	20140210	RU20110136251	20110901
SA3443 B1	20140608	SA20110320723	20110904
US2012055830 AA	20120308	US20110224167	20110901
US8640869 BB	20140204	US20110224167	20110901
ZA201106172 A	20130424	ZA20110006172	20110822

Probable Assignee: PROTECHNA SA

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

Assignee(s): PROTECHNA S A ; PROTEKHNA SA

Inventor(s):(std): SCHUTZ UDO ; UDO SCHUTZ ; MENTIONED THE INVENTOR HAS WAIVED THE RIGHT TO BE ; UDO SCHUETZ ; SCHUETZ UDO

Inventor(s): ANTRAG AUF NICHTNENNUNG ; INVENTOR HAS WAIVED RIGHT TO BE MENTIONED ; THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; JAIME EDUARDO DELGADO VILLEGAS; ADVOTEC; DE ELZABURU ALBERTO; NINOMIYA KATSUYA; TAKEUCHI HIROSHI; HARADA TOMOO; SHIMADA TAKAHISA; MAEDA AND PARTNERS; TAKEUCHI YUJI; IMAE KATSUMI; MAEDA HIROSHI; SEKI HIRAKU; MCGLEW AND TUTTLE PC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8-9): B65D B65D1/00 B65D1/34 B65D19/00 B65D19/02 B65D19/10 B65D19/38 B65D19/44 B65D6/00 B65D77/04 B65D77/06 B65D88/10 B65D88/12 B65D90/02 B65D90/20 F17A1/00 (Advanced/Invention); B65D (Subclass/Invention)

CPC: B65D77/0466
European class: B65D77/04D1P
US class: 206/386 220/571 220/9.4

Classification Explorer

Cited documents: US7908980 BB, US7866501 BB, US7648040 BB, US7108133 BB, US6719164 BB, US6719162 BB, US6668735 BB, US5823382 A, US5738240 A, US5316174 A, US2005196252 AA, US2005092639 AA, US2004149610 AA, US2003024935 AA, US2002178974 AA, JP5042988 A2, JP5042988, JP4109242 B2, JP2006524611 T2, JP2006524611, JP2005246481 A2, JP2005246481, JP2001500460 T2, JP2001500460, JP2001088831 A2, EP2096043 A1, EP1754670 A2, EP1422162 A2, EP0498984 A1, DE9412606 U1, DE60024589 T3, DE60024589 T2,

DE202006001222 U1

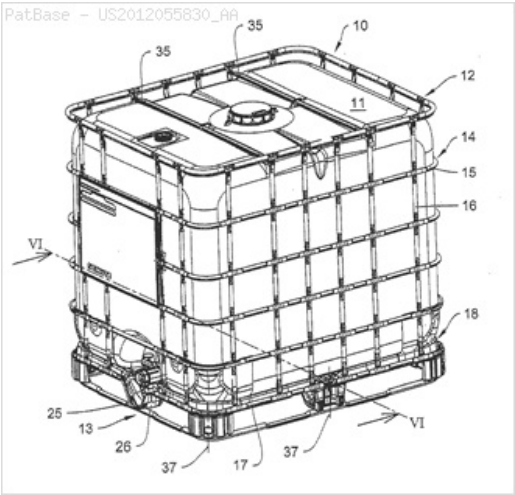
DE202004003020 U1

DE202004003020, CN1630606 A, CN101519149 A, CN101508378 A, CN101508377 A, CA2050399 C,

Forward Citations: US9718581, US8708150, US2013206616, US2012261303, CN108430883, CN105691972, CN104936866,

Abstract:

A transport and storage container for liquids, with a plastic inner container, an outer jacket, as well as a pedestal resembling a pallet, which is equipped to be handled by stacker trucks, stacker cranes, or similar transport devices. The pedestal exhibits a floor for bracing the inner container and a base frame with support feet. The floor exhibits a supporting surface for the inner container and a bearing edge, which is separated from the supporting surface by a floor barrier, and arranged between a lower edge of the outer jacket and the base frame. The lower edge of the outer jacket is frictionally connected to the base frame at least at one junction by a bonding device that acts on the base frame via the bearing edge. The floor barrier exhibits a lowered barrier in the area of the junction.



3) Family number: 34274303 (US2007199937A)

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Title: TRANSPORT AND STORAGE CONTAINER OF SYNTHETIC MATERIAL
Priority: DE200510041406 20050901 DE200610037944 20060812
Family:

Publication number	Publication date	Application number	Application date
AR056479 AA	20071010	AR2006P103772	20060830
AU2006204627 AA	20070315	AU20060204627	20060831
BRPI0604485 A	20070427	BR2006PI04485	20060831
CN1923637 A	20070307	CN200610126794	20060831
DE102006037944 A1	20070315	DE200610037944	20060812
EP1760007 A1	20070307	EP20060017603	20060824
IN01579CH2006 A	20071207	IN2006CH01579	20060831
JP2007062848 A2	20070315	JP20060234715	20060831
MXPA06009980 A1	20070301	MX2006PA09980	20060904
NO20063802 A	20060710	NO20060003802	20060825
NO20063802 L	20060710	NO20060003802	20060825
RU2006131373 A	20080310	RU20060131373	20060831
US2007199937 AA	20070830	US20060514699	20060901
ZA200606935 A	20071227	ZA20060006935	20060821

Probable Assignee: PROTECHNA SA
Assignee(s):(std): PROTECHNA SA
Assignee(s): PROTECHNA S A
Inventor(s):(std): UDO SCHUTZ ; SCHUTZ UDO ; SCHUETZ UDO
Agent(s): PHILLIPS ORMONDE FITZPATRICK; FRIEDRICH KUEFFNER
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8-9): A62C2/06 A62C27/00 A62C3/00 B32B15/14 B32B33/00 B65D19/02 B65D19/04 B65D19/10 B65D19/18 B65D21/02 B65D25/34 B65D25/38 B65D77/00 B65D77/04 B65D77/06 B65D81/38 B65D90/02 B65D90/04 B65D90/06 B65D90/12 B65D90/20 B65D90/22 (Advanced/Invention); A62C2/00 A62C27/00 A62C3/00 B32B15/14 B32B33/00 B65D1/00 B65D19/02 B65D21/02 B65D25/00 B65D25/38 B65D77/00 B65D77/04 B65D77/06 B65D81/38 B65D90/02 B65D90/04 B65D90/12 B65D90/22 (Core/Invention); B65D (Subclass/Invention)

International class B65D1/40 B65D19/02

(IPC 1-7):

CPC: A62C2/065 A62C3/00 B65D77/0466 B65D2213/00
European class: A62C2/06B A62C3/00 B65D77/04D1P L65D213/00
US class: 220/23.91

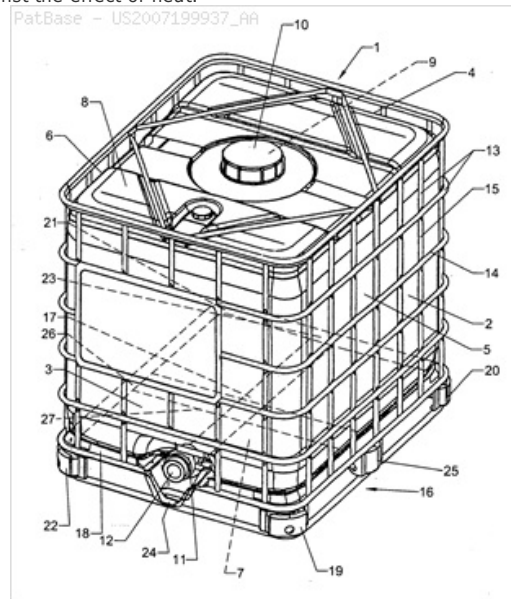
[Classification Explorer](#)

Cited documents: US6737131 BA, US5984126 A, US5971185 A, US5924589 A, US2819759 A, US2006292404 AA, US2003235667 AA, US2003008119 AA, US2002068775 AA, EP0891860 A2, DE19747690 A1, DE10161693 A1, DE10005984 A1,

Forward Citations: WO17194612, WO17075172, WO12165994, WO09144682, US9701439, US9004310, US8646641, US2018237199, US2015321790, US2011121003, US2009114655, US10252091, KR101431723, JP5587301, JP2011522180, EP3012098, EP2979991, EP2853508, EP2285453, DE102013200546, DE102011087927, DE102011087927, DE102007020886, DE102007020886, CN108430883,

Abstract:

A transport and storage container of synthetic material for liquid, pasty, granular and pulverous materials includes a palette-like base frame and an inner container of synthetic material placed on the base frame. The inner container has an upper closeable filling connection and a lower discharge connection with a discharge fitting or an upper closeable discharge connection. An outer casing surrounding the inner container is constructed of grate rods of metal or sheet metal. The inner container of synthetic material is extrusion blow molded and has a multiple layer construction, wherein the inner container includes at least one outer fire protection layer which contains at least one fire protection agent against the effect of heat.



4) Family number: 30300348 (US6206228B)

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Title: Double-walled tank for storing fluids such as heating-oil, and the like

Priority: DE19991017854 19990421 DE20005000324 20000329

Family:	Publication number	Publication date	Application number	Application date
	AT221503 E	20020815	AT20000106686T	20000329
	DE19917854 A1	20001102	DE19991017854	19990421
	DE50000324 D1	20020905	DE20005000324	20000329
	EP1046596 A1	20001025	EP20000106686	20000329
	EP1046596 B1	20020731	EP20000106686	20000329
	ES2177488 T3	20021216	ES20000106686T	20000329
	US6206228 BA	20010327	US20000548303	20000412

Probable Assignee: ROTH MANFRED

Assignee(s):(std): ROTH WERKE GMBH

Assignee(s): ROTH MANFRED ; ROTH MANFRED STEINWEG

Inventor(s):(std): ROTH MANFRED ; HERRN DIPL VOLKSWIRT MANFRED R

Inventor(s): HERRN DIPL VOLKSWIRT MANFRED ROTH

Designated states: AT DE ES FR

International class B65D6/30 B65D77/04 B65D77/06 B65D90/00 B65D90/02 B65D90/08 B65D90/50 (Advanced/Invention);
(IPC 8-9): B65D6/00 B65D77/04 B65D77/06 B65D90/00 B65D90/02 (Core/Invention)

International class B65D6/30 B65D77/6 B65D90/00 B65D90/02 B65D90/08 B65D90/50
(IPC 1-7):

CPC: B65D7/34 B65D77/0466 B65D90/503

European class: B65D7/34 B65D77/04D1P B65D77/06A B65D90/50B2

US class: 220/1.5 220/15 220/4.13 220/413 220/601

[Classification Explorer](#)

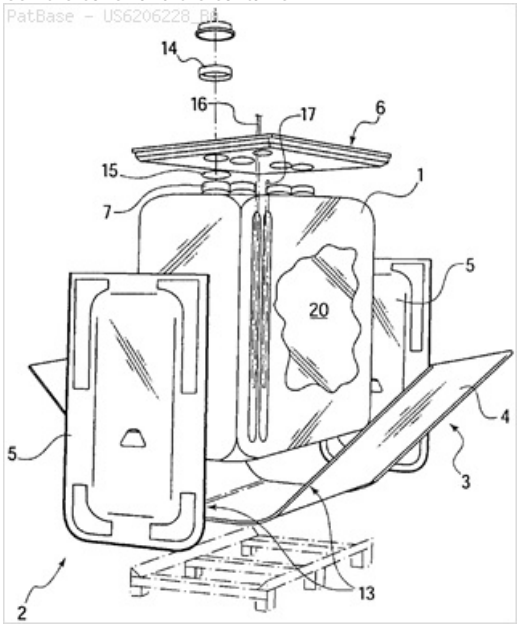
Cited documents: US5480057 A, US5201437 A, US4917246 A, US4648521 A, US4173288 A, US4157609 A, US3437231 A, EP0657368 A2, DE4311208 C1, DE4303851 A1, DE19637868 C1, DE1960889 A1,

Forward Citations: WO17020092, US9586533, US9162816, US8931503, US7717233, US2016185305, US2012298228, US2008053992, US2007205192, US2007056975, US2006060174, US10189731, EP1419980, EP1243517, DE102015016814, CN102797888, CN102797888, AU2003262100,

Abstract:

A double-walled tank for storing liquids, such as heating oil, diesel fuel and lubricating and hydraulic oils, with an inside container

1 made of plastic, and an outside container 2 made of steel sheet, the outside container being provided with a container cover 6. The container cover 6 contains openings for receiving sockets 7 of the inside container 1, and has a collar 8 with a U-shaped cross section. The collar is mounted on the top edge of the container jacket and solidly joined with container jacket 3. The interior space of the collar 8 contains a seal for sealing the collar gas-tight against the container jacket 3. Pressure rings for applying pressure to seals are threaded on sockets 7, and compress the seals between the cover and the container.



5) Family number: 28644438 (DE10161693A1)

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Title:

Transport pallet for hazardous fluid has layer of heat and fire insulation between plastic lining and outer wire frame

Priority:

DE20011061693 20011215

Family:

Publication number	Publication date	Application number	Application date
DE10161693 A1	20030703	DE20011061693	20011215

Probable Assignee:

PROTECHNA SA

Assignee(s):(std):

PROTECHNA SA

Assignee(s):

PROTECHNA S A FREIBURG FRIBOURG

International class
IPC 8-9):

B32B15/14 B65D25/38 B65D77/04 B65D77/06 (Advanced/Invention);
B65D81/38 (Advanced/Non-invention);
B32B15/14 B65D25/38 B65D77/04 B65D77/06 (Core/Invention);
B65D81/38 (Core/Non-invention)

International class
IPC 1-7):

B65D90/06

CPC:

B32B15/14 B65D25/385 B65D77/0466 B65D81/38 B65D2213/02

European class:

B32B15/14 B65D25/38A B65D77/04D1P B65D77/06A L65D213/02 L65D81/38

[Classification Explorer](#)

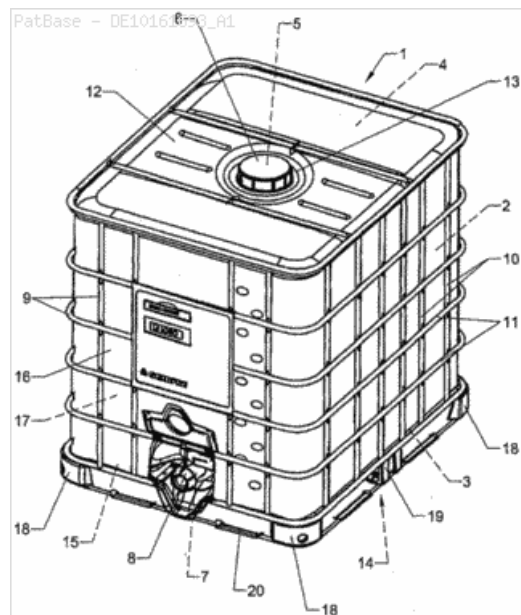
Cited documents:

DE2608459 A1, DE19722194 A1,

Forward Citations:

WO17108288, WO17050420, WO07087857, US7908980, EP2979991, EP2145841, EP1760007, DE202016100050, DE10352569, DE102016000072, DE102016000072, DE102015016814, DE102015014084, DE102015012163, DE102015010492, DE102015010492, CN108290672, CN107922099,

Abstract:
A liquid container has a pallet-like metal base. The container has a plastic lining (2) which is surrounded by a fire-protection metal wire frame (16). The lining (2) and outer wire frame (16) are separate esp. by a combined heat insulation and fire-protection layer. The fire protection mantle (16), protective cap (12) and base tray (15) are fabricated of heat-reflecting sheet metal. The fire and heat-insulation material is e.g. a woven fabric or a non-woven fleece of glass, aluminium or ceramic fibre.



6) Family number: 16951500 (EP0857666A1)

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Title: CONTAINER FOR LIQUIDS

Priority: NL19971005077 19970123

Family:

Publication number	Publication date	Application number	Application date
DE19801969 A1	19980806	DE19981001969	19980121
DE29800800 U1	19980618	DE19982000800U	19980121
EP0857666 A1	19980812	EP19980100984	19980121
NL1005077 C2	19980727	NL19971005077	19970123

Probable Assignee: WIVA BV

Assignee(s):(std): MAUSER WERKE GMBH ; WIVA BV ; WIVA VERPAKKINGEN B V

Assignee(s): WIVA VERPAKKINGEN BV ; MAUSER WERKE GMBH 50321 BRUEHL DE

Inventor(s):(std): SCHILTHUIZEN STEPHANUS FRANCIS ; STEPHANUS FRANCISCUS SCHILTHUIZEN

Inventor(s): SCHILTHUIZEN STEPHANUS FRANCISCUS BERKEL ; SCHILTHUIZEN STEPHANUS FRANCISCUS ; SCHILTHUIZEN STEPHANUS FRANCISCUS BERKEL ENSCHOT N

Designated states: BE DE ES FR GB IT NL

International class (IPC 8-9): B65D77/04 B65D77/06 B65D85/84 (Advanced/Invention); B65D77/04 B65D77/06 B65D85/84 (Core/Invention)

International class (IPC 1-7): B65D1/48 B65D25/24 B65D77/04 B65D77/6 B65D85/84 B65D88/12

CPC: B65D77/0453 B65D77/0466 B65D85/84

European class: B65D77/04D1 B65D77/04D1P B65D77/06A B65D85/84

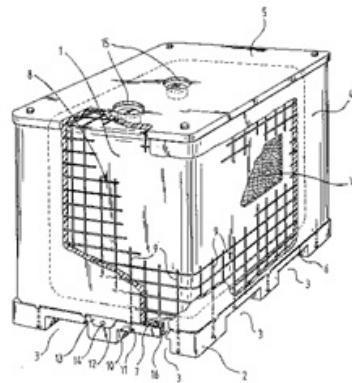
[Classification Explorer](#)

Cited documents: WO9621606 A1, WO9315966 A1, US2982441 A, EP0542110 A1, DE9414911 U1, DE9407343 U1, DE9106314 U1, DE3710856 A1, DE3709870 C2, DE29580855 U1, DE2638742 A1,

Forward Citations: WO17108288, US6379034, NL1021273, ES2170648, EP1050497,

Abstract:

The canister (1) consists of an approximately cubic metal container, which has filling and emptying holes (15) and a thick outer liquid-tight recycled plastics protective transport sheath. The walls and base of the sheath are reinforced by rods (8) to form a mesh. The rods in the outer sheath extend vertically downwards to wrap under the base and provide fixtures and reinforcements for fixtures, e.g. nuts. A supplementary transport base (2) section is tightly attached to the sheath, and has indentations (3) for the forks of a forklift truck. The upper part of the metal container is protected by a rod-reinforced plastics cover (5) bolted to the lower section.

**7) Family number: 30571565** (US2004164081A)

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

Priority: DE20021002745 20021113 DE20021052745 20021113 DE20035007125 20031106

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
	DK1419980 T3	20070910	DK20030025274T	20031106
	EP1419980 A1	20040519	EP20030025274	20031106
	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
	NO20035019 L	20040514	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

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

Assignee(s): SCHUTZ GMBH AND COKGAA ; SCHUTZ GMBH ; SCH³TZ GMBH AND CO KGAA

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

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

International class (IPC 1-7): 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 class (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 class: B65D77/04D1P B65D77/06A B65D90/24 B65D90/50B

US class: 220/495.01

[Classification Explorer](#)

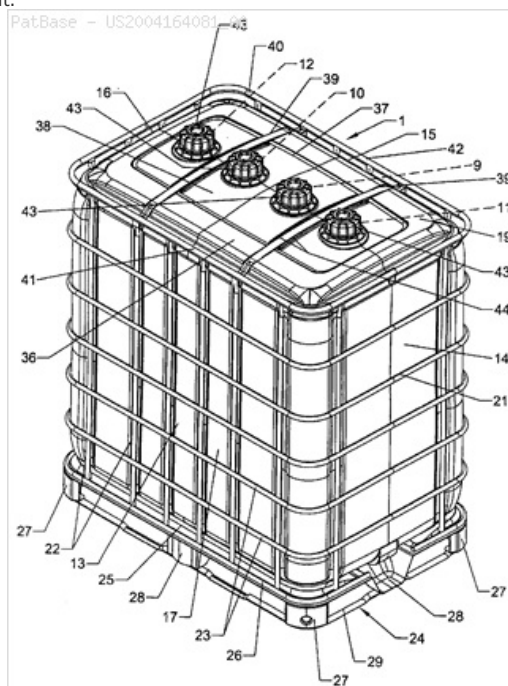
Cited documents: US6206228 BA, US5680955 A, US5649640 A, US5465865 A, US5375741 A, US5133476 A, US5024346 A,

US4795057 A, EP1055613 A2, DE29602097 U1, DE29502485 U1, DE20120169 U1, DE19535707 A1, DE10065077 C1,

Forward Citations: WO17020092, WO16181041, WO15102249, WO10081908, US8783503, US2016122123, US2015291351, US2014373923, US2011118421, KR101437578, JP6097883, JP2016520025, JP2016520025, IT201600080203, FR3024841, EP2760764, EP2703316, DE102010048609, DE102010048609, CN108430883, CN105980268, CN103496055, CN102264531, AU2016202392, AU2012310174,

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.



8) Family number: 66208742 (US2018362237A)

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Title: TRANSPORTING AND STORAGE CONTAINER FOR LIQUIDS

Priority: DE201510016814 20151223 WO2016EP77984 20161117

Family:	Publication number	Publication date	Application number	Application date
	AR107065 AA	20180314	AR2016P103871	20161216
	AU2016375640 AA	20180628	AU20160375640	20161117
	BR112018012958 A2	20181204	BR20181112958	20161117
	CA3009107 AA	20180619	CA20163009107	20161117
	CL2018001676 A1	20180727	CL20180001676	20180620
	CN108430883 A	20180821	CN201680075316	20161117
	CO20180006402 A2	20180831	CO20180006402	20180621
	DE102015016814 A1	20170629	DE201510016814	20151223
	EP3393932 A1	20181031	EP20160808926	20161117
	ID201809505 A	20180831	ID2018PID04487	20161117
	IL259932 A0	20180731	IL20160259932	20161117
	IN201827021648 A	20180629	IN201827021648	20180609
	JP2019500289 T2	20190110	JP20180533259T	20161117
	KR20180085763 A	20180727	KR20187017425	20161117
	MX2018007523 A1	20181114	MX20180007523	20161117
	PH2018501349 A	20190218	PH20180501349	20180622
	SG11201805216T A1	20180730	SG20181105216	20161117
	TW201728512 A	20170816	TW20160141111	20161212
	TWI628127 B	20180701	TW20160141111	20161212
	US2018362237 AA	20181220	US20160062191	20161117
	WO17108288 A1	20170629	WO2016EP77984	20161117

Probable Assignee: PROTECHNA SA

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

Assignee(s): SCHUTZ UDO

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

Inventor(s): SCHOETZ UDO

Agent(s): PIZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; FETHERSTONHAUGH AND CO; JARRY IP JARRY IP SPA; ADVOTEC; IR MIGNI MYRIASANDRA SH MIP MSEL; MAEDA AND PARTNERS; ADVOTEC PATENT U RECHTSANWAELTE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD

SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): B65D B65D19/02 B65D19/06 B65D6/00 B65D77/04 B65D85/84 B65D88/02 B65D88/12 B65D90/02 B65D90/12 (Advanced/Invention); B65D (Subclass/Invention)

International class (IPC 1-7): B65D77/04

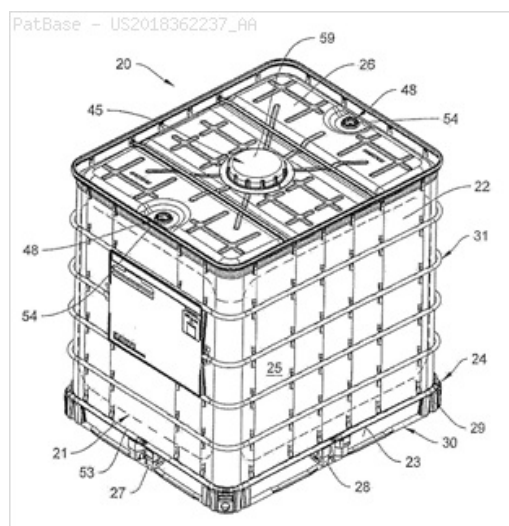
CPC: B65D2213/00 B65D77/0466

[Classification Explorer](#)

Cited documents: US2007199937 AA, EP0879771 A1, EP0857666 A1, DE9417426 U, DE4341539 A1, DE19920011 A1, DE19917854 A1, DE10161693 A1, CN1500697 A, CN1199702 A, CN1114628 A, CN102442458 A,

Abstract:

A transportation and storage container (20) for fluids having an inner container (22) made of plastic, an outer jacket (31) preferably realized as a lattice made of metal as well as a pallet-like base frame (24) formed for being handled by means of forklifts or similar modes of transportation, and comprising a support base (23) made of sheet metal for supporting the inner container (22) provided with at least one filling neck (45) at an upper side (47) of the inner container (22), wherein an intermediary container (21) receiving the inner container from all sides and made of sheet metal is arranged between the inner container (22) and the outer jacket, said intermediary container (21) comprising a jacket case (25), a container lid (26) connected to the jacket case (25) and a container bottom connected to the jacket case (25), the container bottom being formed by the support base (23) of the base frame (24).



9) Family number: 13221752 (US5447250A)

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Title: CONTAINER FOR TRANSPORT AND STORAGE OF LIQUIDS
Priority: DE19934341539 19931206 CA19942136380 19941122 DE19945005228 19941125
Family:

Publication number	Publication date	Application number	Application date
AT162994 E	19980215	AT19940118548T	19941125
AU199480203 A1	19950615	AU19940080203	19941205
AU681457 B2	19970828	AU19940080203	19941205
BRPI9404863 A	19950801	BR1994PI04863	19941205
CA2136380 AA	19950607	CA19942136380	19941122
CA2136380 C	19971202	CA19942136380	19941122
CN1056583 C	20000920	CN19941020099	19941205
CN1114628 A	19960110	CN19941020099	19941205
CZ9403047 A3	19950614	CZ19940003047	19941205
DE4341539 A1	19950608	DE19934341539	19931206
DE4341539 C2	19980709	DE19934341539	19931206
DE59405228 D1	19980312	DE19945005228	19941125
DK0657365 T3	19980923	DK19940118548T	19941125
EE9400217 A	19960215	EE19940000217	19941122
EP0657365 A1	19950614	EP19940118548	19941125
EP0657365 B1	19980204	EP19940118548	19941125
ES2111830 T3	19980316	ES19940118548T	19941125
HR940971 A2	19961231	HR19940000971	19941205
HU213486 B	19970728	HU19940003487	19941205
HU68867 A2	19950828	HU19940003487	19941205
HU9403487 A0	19950228	HU19940003487	19941205
IL111858 A0	19950315	IL19940111858	19941202
JP2676189 B2	19971112	JP19940301830	19941206
JP7300188 A2	19951114	JP19940301830	19941206
KR19950017668 A	19950720	KR19940032778	19941205
LV11160 A	19960420	LV19940000235	19941205
LV11160 B	19960820	LV19940000235	19941205
NO306985 B1	20000124	NO19940004682	19941205
NO944682 A	19950607	NO19940004682	19941205
NO944682 A0	19941205	NO19940004682	19941205
NO944682 L	19950607	NO19940004682	19941205
PL175449 B1	19981231	PL19940306083	19941202
PL306083 A1	19950612	PL19940306083	19941202

RU2089477 C1	19970910	RU19940043326	19941205
RU94043326 A	19961020	RU19940043326	19941205
SK149194 A3	19950711	SK19940001491	19941205
TW252085 B	19950721	TW19940111581	19941213
US5447250 A	19950905	US19940354141	19941206
YU70194 A	19970731	YU19940000701	19941202
ZA9409515 A	19950814	ZA19940009515	19941130

Probable Assignee: PROTECHNA SA

Assignee(s):(std): SCHUETZ WERKE GMBH CO KG ; SCHUTZ UDO ; PROTECHNA SA ; SCHETZ WERKE GMBH AND CO KG ; SCHUTZ WERKE GMBH AND CO KG SELTERS ; SHJUTTS VERKE GMBKH UND KO KG ; SCHUTZ WERKE GMBH AND CO SELTERS KG ; SHJUTTS VERKE GMBKH U KO KG

Assignee(s): SHJUTTS VERKE GMBKH U KOKG ; PROTECHNA S A ; PROTECHNA S A FREIBURG FRIBOURG CH ; SCHUTZ WERKE GMBH AND COKG SELTERS ; SCHUETZ WERKE GMBH AND CO K G ; SCHUETZ WERKE GMBH AND CO 56242 SELTERS DE KG ; SCHUETZ WERKE GMBH AND CO KG ; SCHUETZ WERKE GMBH AND COKG ; SCHUETZ WERKE GMBH U CO KG ; SCHUETZ WERKE GMBH AND CO KG 56242 SELTERS DE ; SCHUETZ WERKE GMBH UND CO KG ; SCHUTZ WERKE GMBH AND CO KG ; SHYUTTS VERKE GMBKH U KO ; SCHUTZ WERKE GMBH CO KG ; SHYUTTS VERKE GMBKH UND KO KG

Inventor(s):(std): SCHUTZ UDO ; SCHEUTZ UDO ; SCHUETZ UDO ; SHUETZ U ; UDO SCHUETZ ; UDO SHIYUTSUTSU ; UDO SHJUTTS ; SCHUTZ U ; UDO SHYUTTS

Inventor(s): SCHETZ UDO ; UDO SCHEUTZ ; SCHUETZ UDO D 56242 SELTERS DE ; UDO SCHUTZ ; U SHUETZ

Agent(s): PHILLIPS ORMONDE FITZPATRICK; FETHERSTONHAUGH AND CO

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

International class (IPC 8-9): A44B19/34 B65D19/02 B65D19/12 B65D19/18 B65D6/00 B65D77/04 B65D77/06 B65D88/02 B65D88/10 B65D88/12 B65D88/54 B65D90/02 B65D90/20 (Advanced/Invention); B65D6/00 B65D77/04 (Advanced/Non-invention); A44B19/24 B65D19/02 B65D6/00 B65D77/04 B65D77/06 B65D88/00 B65D90/02 B65D90/12 (Core/Invention)

International class (IPC 1-7): B65B B65D B65D1/06 B65D19/00 B65D19/02 B65D19/06 B65D19/08 B65D19/12 B65D19/18 B65D25/00 B65D6/00 B65D77/04 B65D77/06 B65D77/08 B65D88/02 B65D88/10 B65D88/12 B65D88/54 B65D90/02 B65D90/04 B65D90/20

CPC: B65D77/0466 Y02W30/807

European class: B65D77/04D1P B65D77/06A

US class: 220/1.5 220/15 220/403 220/410 220/62.11

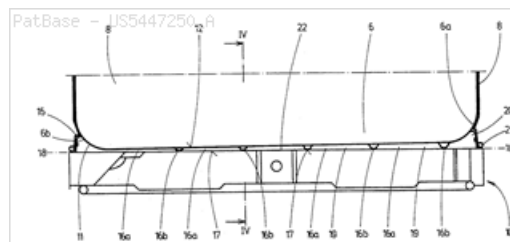
[Classification Explorer](#)

Cited documents: US5110000 A, US4961509 A, US4930661 A, US4909387 A, US4173288 A, US4157609 A, JP5042988 A2, FR1490718 A, EP0509228 A2, DE9306177 U1, DE9306177, DE4209781 A1, DE4206945 C1, DE4206945 A1,

Forward Citations: WO17108288, WO08107961, US8631960, US8567626, US8118167, US7575118, US7108133, US6719162, US5680955, US5649640, US2012037528, US2009230017, US2004195129, TWI628127, KR101324998, JP6159917, JP4101244, JP2018057490, JP2005246481, DE19802307, DE19802307, CN106586312, CN105883226, CN104909033, CN102020079, AU2012101425, AU2011203540, AU2002301572, AU2002301572,

Abstract:

A container (1) which can be used as a retainable or non-retainable container for the transportation and storage of liquids has as its main components a plastic inner tank (2) produced as a blow molded part, with a generally rectangular shape and rounded corners, which is equipped with a filler neck (3) which can be sealed by a screw cap (4) and a drain cock connected to a drain neck (5) in the bottom area. A jacket (8) of galvanized sheet metal has a service opening (9) for the drain cock. A pallet (10) is formed as a flat bottom pan (11) from sheet metal with length and width measurements for form-fitted accommodation of plastic inner container (2). Sheet metal jacket (8) in its lower region has a peripheral taper for supporting the bottom area of inner container (2) in cooperation with the bottom pan (11) of the pallet (10).



10) Family number: 17708808 (DE9417426U1)

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Title: PALETTENCONTAINER Pallet container (Machine translation)

Priority: DE19940017426U 19941102

Family:

Publication number	Publication date	Application number	Application date
DE9417426 U1	19950316	DE19940017426U	19941102

Probable Assignee: MAUSER WERKE GMBH

Assignee(s):(std): MAUSER WERKE GMBH

Assignee(s): MAUSER WERKE GMBH 50321 BRUEHL DE

International class (IPC 8-9): B65D77/04 B65D77/06 (Advanced/Invention); B65D77/04 B65D77/06 (Core/Invention)

International class (IPC 1-7): B65D19/06 B65D88/54

CPC: B65D77/0466

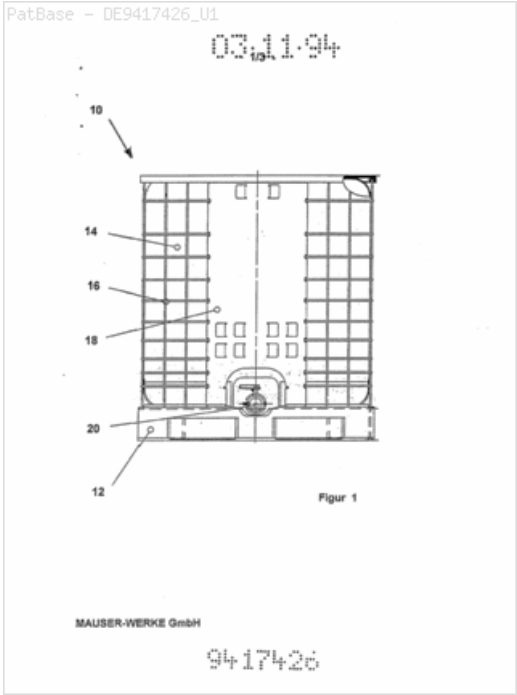
European class: B65D77/04D1P B65D77/06A

[Classification Explorer](#)

Forward Citations: WO17108288, EP1840045,

Abstract:
Source: DE9417426U1 [DE] (Claim 1) 1.) Palettencontainer (10) umfassend eine Bodenpalette (12), einen darauf angeordneten Innenbehälter (14) und einen den Innenbehälter (14) dicht umschliessenden Stuetzmantel (16), der bodenseitig fest mit der Bodenpalette (12) verbunden ist, dadurch gekennzeichnet, dass der Innenbehälter (14) im Oberboden (22) eine kombinierte Einfuell- und Entnahmeoeffnung (30) aufweist.

Machine translation: (Claim 1) 1) pallet container (10) comprising a bottom pallet (12), one arranged on Innenbehälter (14) and the Innenbehälter (14) tightly encloses Stuetzmantel (16), the bottom side firmly with the bottom pallet (12) connected is characterized in that the Innenbehälter (14) in the topsoil (22) and a combined filling Entnahmeoeffnung (30) has.



11) Family number: 30263934 (DE19920011A1) © PatBase

Title: Liquid storage and transportation container comprises inner plastic container with exterior metal reinforcing grid, top of container having filling opening with sealable lip and additional emptying opening, also with a sealable lip

Priority: DE19991020011 19990503

Family:

Publication number	Publication date	Application number	Application date
DE19920011 A1	20001214	DE19991020011	19990503

Probable Assignee: PROTECHNA SA

Assignee(s):(std): PROTECHNA SA

Assignee(s): PROTECHNA S A FREIBURG FRIBOURG

International class (IPC 8-9): B65D77/04 B65D77/06 (Advanced/Invention); B65D77/04 B65D77/06 (Core/Invention)

International class (IPC 1-7): B65D90/00 B65D90/04

CPC: B65D77/0466

European class: B65D77/04D1P B65D77/06A

[Classification Explorer](#)

Cited documents: DE4341338 A1, DE2452022 A1,

Forward Citations: WO17108288, MY138448, EP1627823, EP1627823, CN108430883, AU2005203614,

Abstract:
The liquid storage and transportation container comprises an inner plastic container (2) with an exterior metal reinforcing grid (3). The novel feature is that the top (13) of the container has a filling opening (14) with sealable lip (18) and additionally has an emptying opening (15) also with a sealable lip (19).

