

1) Family number: 48229368 (CN201721866U)

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Title: Pedal-operated anti-explosion safety underground trash can

Priority: CN200920098581U 20090902

Family:	Publication number	Publication date	Application number	Application date
	 CN201721866 U	20110126	CN200920098581U	20090902

Probable Assignee: YONGGUANG MAI

Assignee(s):(std): YONGGUANG MAI

Assignee(s): MAI YONGGUANG

Inventor(s):(std): YONGGUANG MAI

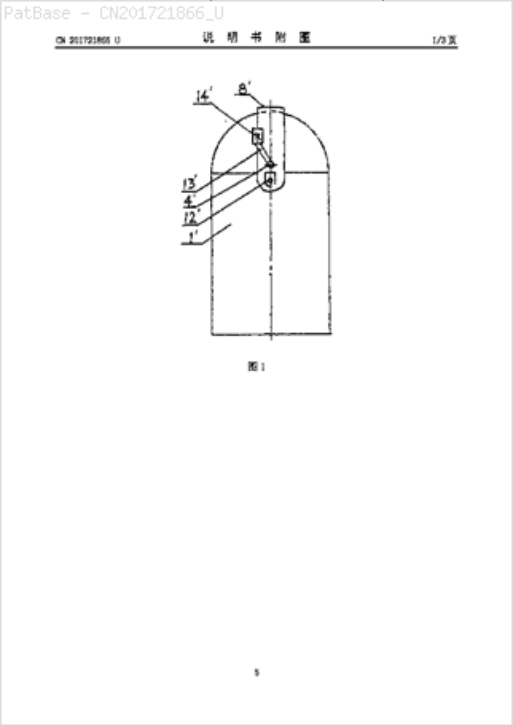
Inventor(s): MAI YONGGUANG

International class (IPC 8-9): B65D43/26 B65F1/06 B65F1/14 B65F1/16 (Advanced/Invention)

[Classification Explorer](#)

Abstract:

A pedal-operated anti-explosion safety underground trash can mainly comprises a trash bag sleeve, an inner trash bag, a trash bag hook, a rotating shaft, a connecting rod, a semi-spherical top cover capable of being opened and closed, a top cover locking strap, a pedal crutch, a pedal plate and the like. When a user pedals the pedal plate, the semi-spherical top cover capable of being opened and closed can be opened automatically due to linkage of the connecting rod, the rotating shaft, the pedal crutch and the pedal plate, and the pedal plate can be closed automatically when the users leaves, thereby avoiding shortages of breeding mosquitoes and flies and stinking odors. The trash bag sleeve is buried under the ground and made of chemical synthesis cement with high strength and high hardness and has extremely strong anti-explosion property and plays a role in restraining power of explosives. Particularly, the trash can is buried under the ground, and even if terrorists detonate explosives placed in the trash can by the terrorists, antipersonnel force of blast wave of the explosives can be restrained, thereby reducing explosion radius of the explosives and reducing extend of injury. Therefore, the pedal-operated anti-explosion safety underground trash can has certain anti-explosion and security effect.



2) Family number: 62155481 (CN205441582U)

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Title: UNDERGROUND TYPE GARBAGE CAN

Priority: CN201510923205 20151211 CN201521032902U 20151211

Family:	Publication number	Publication date	Application number	Application date
	 CN105501757 A	20160420	CN201510923205	20151211
	 CN105501757 B	20180320	CN201510923205	20151211
	 CN205441582 U	20160810	CN201521032902U	20151211

Probable Assignee: SICHUAN SANITATION HONG JIANG MEI XIN TECH CO LTD

Assignee(s):(std): SICHUAN HONGJIANG MEIXIN ENV SANITATION SCIENCE AND TECH CO LTD ; SICHUAN SANITATION HONG JIANG MEI XIN TECH CO LTD

Assignee(s): SICHUAN SANITATION HONG JIANG MEI XIN TECHNOLOGY CO ; WANG JIANGMEI XIN TECHNOLOGY CO LTD SICHUAN SANITATION ; SICHUAN HONGJIANG MEIXIN ENVIRONMENTAL SANITATION SCIENCE AND TECHNOLOGY CO

Inventor(s):(std): ZHANG ZULIANG ; LIU XUEZHEN

International class (IPC 8-9): B65F1/14 (Advanced/Invention)

CPC: B65F1/14 B65F2210/132

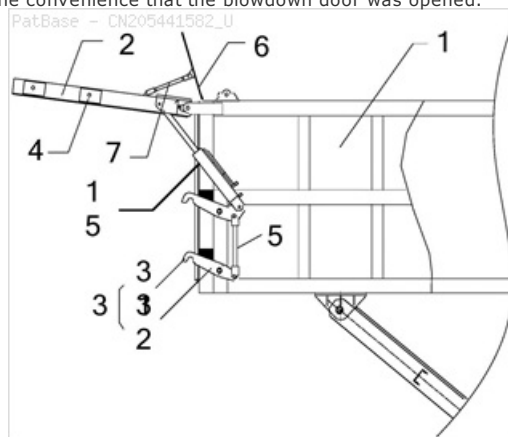
[Classification Explorer](#)

Cited documents: JP11071001, EP0576405 A1, DE202004017744 U1

DE202004017744 U, CN2863718 Y, CN2437642 Y, CN2365174 Y, CN205441582 U, CN201456419 U, CN106395207, CN106315082, CN106315082, CN105501757, CN105501757,

Forward Citations: CN106395207, CN106315082, CN106315082, CN105501757, CN105501757,

Abstract:
The utility model provides an underground type garbage can is by the flexible automatic operation who drives opening and closing of blowdown door, realization dustbin of blowdown cylinder. Fixing the blowdown door on the dustbin box through connecting the checkpoint, connecting the checkpoint simultaneously and set up as the rotor arm structure that can overturn voluntarily, drive end and the blowdown cylinder of rotor arm are connected, thus the in -process that stretches out of blowdown cylinder simultaneously and the blowdown door offset with the rotor arm, change movable arm rotation and make the card post separation on dop and the blowdown door, otherwise combine, realize that the automatic locking of connection checkpoint and blowdown door is dead or separate. The both ends of blowdown cylinder respectively with the blowdown door with is connected the checkpoint and hinges to but what make the blowdown cylinder stretches out the direction free rotation, further improves the convenience that the blowdown door was opened.



3) Family number: 49121040 (US2011147303A)

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Title: BIORETENTION SYSTEM WITH HIGH INTERNAL HIGH FLOW BYPASS

Priority: US20090289376P 20091222 US20100977015 20101222 US20110214230 20110821
US20130843957 20130315

Family:

Publication number	Publication date	Application number	Application date
US2011147303 AA	20110623	US20100977015	20101222
US2012152827 AA	20120621	US20110214230	20110821
US2013213869 AA	20130822	US20130843957	20130315
US8535533 BB	20130917	US20100977015	20101222
US8911626 BB	20141216	US20110214230	20110821
US9469981 BB	20161018	US20130843957	20130315

Probable Assignee: OLDCASTLE PRECAST INC

Assignee(s):(std): ALLARD DOUGLAS ; ALLARD DOUGLAS PAUL ; KRISTAR ENTPR INC ; OLDCASTLE PRECAST INC

Assignee(s): KRISTAR ENTERPRISES INC

Inventor(s):(std): ALLARD DOUGLAS ; ALLARD DOUGLAS PAUL

International class (IPC 8-9): C02F1/00 C02F3/00 C02F3/32 E02D27/32 E03F1/00 E03F5/04 E03F5/10 E03F5/14 E04H12/22 (Advanced/Invention); C02F103/00 E03F5/16 (Advanced/Non-invention)

CPC: E03F1/00 E03F5/14 E03F5/16 C02F3/327 C02F2103/001 C02F2303/24 E02D27/32 E03F5/0404 E03F5/101 E03F5/103 E04H12/2261 Y02W10/18 Y10T29/49826

European class: C02F3/32B M02F103/00B M02F303/24

US class: 1/1 210/151 210/154 210/154S 210/170.03 210/170.030S 210/170.08 210/232 210/254 210/601 210/602 210/615 210/615S 210/617 210/631 210/747.3 210/747.300S 29/428

[Classification Explorer](#)

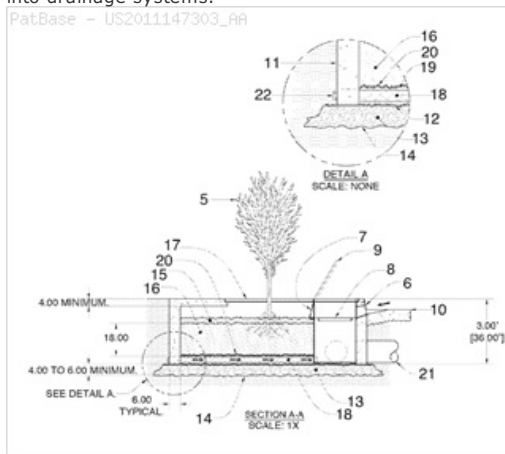
Cited documents: WO10118110 A9, WO10118110 A1, US8795518 BB, US8679327 BB, US8622647 BB, US8591729 BB, US8555586 BB, US8535533 BB, US8501016 BB, US8333885 BA, US8318015 BB, US8303816 BB, US8287728 BB, US8157991 BB, US8113740 BB, US8110105 BB, US8012346 BB, US7985335 BB, US7967979 BB, US7833412 BB, US7776217 BB, US7686956 BA, US7674378 BB, US7638065 BB, US7625485 BB, US7582216 BB, US7510649 BA, US7473373 BA, US7470362 BB, US7425262 BA, US7425261 BB, US7344335 BB, US7297266 BB, US7296692 BB, US7294256 BB, US7237981 BA,

US7186333 BB, US7186058 BB, US7160058 BB, US7101476 BB, US7083721 BB, US7080480 BB, US7022243 BB, US6998038 BB, US6991734 BA, US6991402 BB, US6991114 BB, US6905599 BB, US6881338 BB, US6783683 BB, US6698038 BB, US6676832 BB, US6652743 BB, US6649048 BB, US6641720 BA, US6569321 BB, US6531059 BA, US6511596 BA, US6511595 BB, US6406218 BA, US6383373 BA, US6350374 BA, US6277274 BA, US6132603 A, US6027639 A, US5985157 A, US5855775 A, US5788848 A, US5759415 A, US5744048 A, US5728305 A, US5707527 A, US5702593 A, US5624576 A, US5569387 A, US5549817 A, US5437786 A, US5322629 A, US4682907 A, US4537687 A, US2014202954 AA, US2014124424 AA, US2014001127 AA, US2013180903 AA, US2013105387 AA, US2013092632 AA, US2013056399 AA, US2013001158 AA, US2012152827 AA, US2012031854 AA, US2011186492 AA, US2011147303 AA, US2010206790 AA, US2009250405 AA, US2009218299 AA, US2009050583 AA, US2008251448 AA, US2008217257 AA, US2008217227 AA, US2008121594 AA, US2007262009 AA, US2007199869 AA, US2007068878 AA, US2006151387 AA, US2005285011 AA, US2004226869 AA, US2002057944 AA,

Forward Citations: WO17044920, WO14201223, US9840428, US9593477, US9540799, US9512606, US9506233, US9487421, US9469981, US9175463, US9162169, US9127448, US8911626, US8535533, US8333885, US8318015, US8110105, US2016326032, US2016017588, US2013299403, US2011186492, US2011147303, US2009255868, US10294135, US10260222, US10118846, EP3334694, CN107386404, CN107043166, CN107043166, CN106368098, CN105236587, CN104532942, CN104141346, CN103548601, CN103548601,

Abstract:

The invention provides a bioretention system comprising one or more chambers and a high flow bypass system with top and bottom weirs for water filtration and storm water flow management. The invention also provides methods that are useful for managing storm water flow and inhibiting the flow of pollutants, debris, and other contaminants into drainage systems.



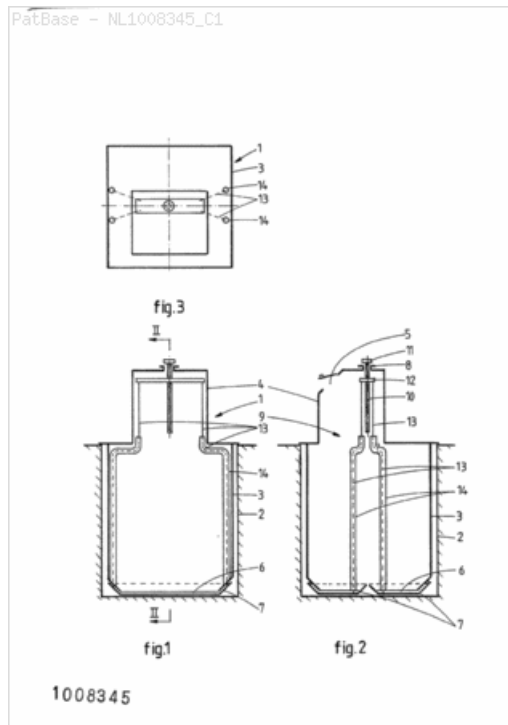
4) Family number: 14635987 (NL1008345C)

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Title:	Refuse-collection system			
Priority:	NL19971005312 19970219		NL19981008345 19980219	
Family:	Publication number	Publication date	Application number	Application date
	 NL1008345 C 1	19980820	NL19981008345	19980219
Probable Assignee:	RUTTE HOEKSTRA JETSKE			
Assignee(s):(std):	RUTTE HOEKSTRA JETSKE			
Inventor(s):(std):	RUTTE HOEKSTRA JETSKE			
Inventor(s):	JETSKE RUTTE HOEKSTRA			
International class (IPC 8-9):	B65F1/12 B65F1/14 B65F3/02 (Advanced/Invention); B65F1/12 B65F1/14 B65F3/02 (Core/Invention)			
International class (IPC 1-7):	B65F1/12 B65F3/02			
CPC:	B65F1/125 B65F1/1447 B65F3/0203			
European class:	B65F1/12D B65F1/14D6 B65F3/02A			
Classification Explorer				
Forward Citations:	NL1010751, FR2970470, FR2846312, ES2661290, ES2418281, EP1714914, EP1008537,			

Abstract:

Each dustbin (3) has a loading hatch (5) near the top and a discharge hatch (6) which can be shut off, at the bottom. An attachment is provided for lifting the empty dustbin. The rotary driven component can be formed by a screwed spindle (10), on which a nut (12) coupled to the hatch mechanism travels upwards and downwards. The dustbin can be installed underground, with a larger underground portion accommodating the refuse, and a top portion of smaller horizontal cross-section forming the loading hatch above ground. The rotary component is contained in the top portion.

**5) Family number: 4872947** (US5072810A)

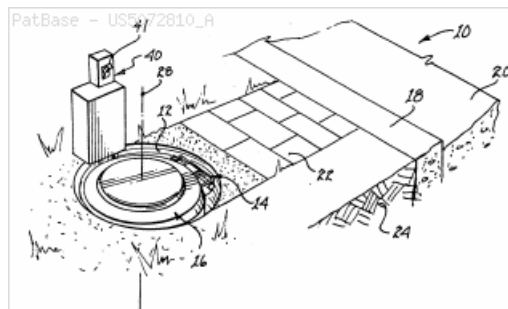
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Title: Garbage storage system and method**Priority:** US19900625811 19901211

Family:	Publication number	Publication date	Application number	Application date
	US5072810 A	19911217	US19900625811	19901211

Probable Assignee: THEIS ERWIN C**Assignee(s):(std):** THEIS ERWIN C**Inventor(s):(std):** THEIS ERWIN C**International class (IPC 8-9):** B65F1/14 (Advanced/Invention)**International class (IPC 1-7):** B66B11/04**CPC:** B65F1/1447 B65F1/1457**European class:** B65F1/14D6 B65F1/14E2**US class:** 187/261 187/27 187/3 187/414 187/62[Classification Explorer](#)**Cited documents:** US93452 A, US4632627 A, US3356183 A, US3085655 A, DE565657 A,**Forward Citations:** US5291971, US2015096391, US2009242565, US2006104782, US2005092218, GB2288528, ES2154158, CN106241151, CN106241151, CN104787518, AT518907, AT518907,**Abstract:**

A garbage storage system for avoiding odors therefrom and for ease of moving a full garbage container to a street curb. This system includes an in-ground silo disposed outside the building and below ground and includes a motor-driven or mechanically operated elevator disposed in the silo and having a switch control adjacent thereto for the motor driven elevator, and includes a container for garbage for placement on the elevator.



6) Family number: 43039514 (CN201193146Y)

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Title: Underground electric rubbish collection box

Priority: CN200820080901U 20080218

Family:	Publication number	Publication date	Application number	Application date
	 CN201193146 Y	20090211	CN200820080901U	20080218

Probable Assignee: CHUNHAI MA

Assignee(s):(std): CHUNHAI MA

Assignee(s): MA CHUNHAI

Inventor(s):(std): CHUNHAI MA

Inventor(s): MA CHUNHAI

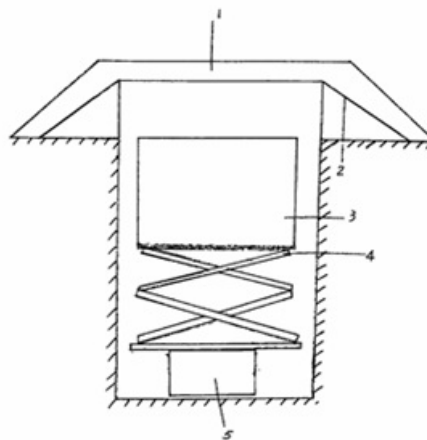
International class (IPC 8-9): B65F1/00 B65F1/14 (Advanced/Invention);
B65F1/00 B65F1/14 (Core/Invention)

[Classification Explorer](#)

Abstract:

The utility model is an underground electric garbage collection bin which is characterized in that the underground electric garbage collection bin comprises a garbage bin body (3), a hoisting device, and a garbage bin cap (1). The hoisting device is arranged at the bottom of the garbage bin body. The hoisting device is a shear type electro-hydraulic elevator with an elevating platform (4). The garbage bin body and the hoisting device are both arranged in the pit under the ground. The garbage bin cap (1) is covered on the garbage bin body. The underground electric garbage collection bin can be arranged at anywhere, such as open place, wall place, wall corner and so on, does not occupy space position or influence urban beauty. Since the pit is provided with a water-blocking wall 6 and a water filtrating inclined plane 2 which are higher than the ground, the pit may not be moistened by rainwater. The bottom surface in the garbage bin is an inclined plane which is convenient for cleaning up the garbage. The underground electric garbage collection bin has simple structure, is easy to be installed, and has low cost and strong applicability.

PatBase - CN201193146_Y



7) Family number: 50901058 (WO13050995A1)

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Title: SYSTEM AND METHOD FOR UNDERGROUND STORAGE AND ENHANCMENT

Priority: IL20110215545 20111005

Family:	Publication number	Publication date	Application number	Application date
	 IL215545 A0	20120229	IL20110215545	20111005
	 WO13050995 A1	20130411	WO2012IL00344	20120923

Probable Assignee: DOTAN LTD

Assignee(s):(std): DAVID CHIEL ; DOTAN LTD ; ELIRAN CHIEL

Inventor(s):(std): CHIEL ELIRAN ; CHIEL DAVID

Inventor(s): DAVID CHIEL ; ELIRAN CHIEL

Agent(s): LOWY AVI

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 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 IS IT JP KE KG KM KN KP KR KZ LA LC 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 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): B65F1/14 B66B11/06 E04B E04H6/06 (Advanced/Invention);
E04B (Subclass/Invention)

CPC: E04H6/06 B65F1/1457

[Classification Explorer](#)

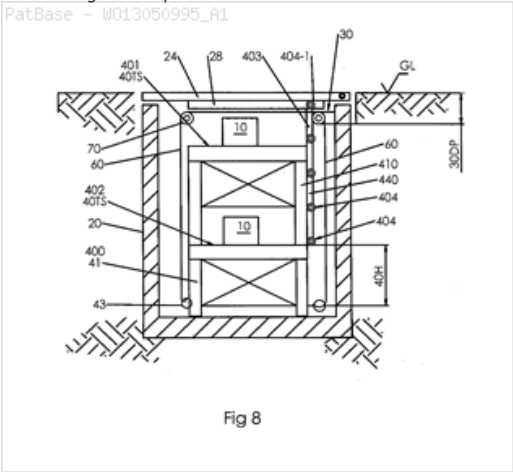
Cited documents: US4867627 A, EP1293451 A1, EP1236656 A1, EP0787870 A1, DE19620973 A1,

Forward Citations: US2015096391, CN106904514, CN106904514,

Abstract:

A system and a method for storage of one or more loads below ground level using a suspension assembly such as cables, and a hoisting mechanism for winding the cables. Both the suspension assembly and the hoisting mechanism are disposed below ground level. A platform has a platform surface at the top and a platform structure there below, to which the cables of the suspension

assembly are coupled. The platform, which is configured to support the load platform surface, hangs on the cables of the suspension assembly. The hoisting mechanism is coupled to the suspension assembly and is configured to lift the platform surface to ground level and to lower the load into underground storage. The suspension assembly may support more than one platform. The underground storage has either a lid closeable and openable in association with the lifting and lowering of the platform or a fixed lid.



8) Family number: 42119518 (US2008203097A) © PatBase

Title:

Priority:

Family:

Probable Assignee:

Assignee(s):(std):

Assignee(s):

Inventor(s):(std):

Inventor(s):

Agent(s):

International class (IPC 8-9):

CPC:

European class:

US class:

Classification Explorer

Cited documents:

Forward Citations:

UNIVERSAL SYSTEM FOR UNDERGROUND STORAGE AND ELEVATION OF SOLID WASTE CONTAINERS

US20070709817 20070223CA20082621706 20080218

Publication number	Publication date	Application number	Application date
CA2621706 AA	20080823	CA20082621706	20080218
US2008203097 AA	20080828	US20070709817	20070223

TNL SOCIEDADE DE EQUIPAMENTOS ECOLOGICOS E SISTEMAS AMBIENTAIS LDA

TNL SOCIEDADE DE EQUIPAMENTOS

TNL SOCIEDADE DE EQUIPAMENTOS ECOLOGICOS E SISTEMA ; TNL SOCIEDADE DE EQUIPAMENTOS ECOLOGICOS E SISTEMAS AMBIENTAIS LDA ; AMORIM DA COSTA ALMEIDA TIAGO ; CARDOSO CABRAL MARTINS DA SILVA NUNO FILIPE ; DA SILVA LOPRES NUNO ANTONIO

AMORIM DA COSTA ALMEIDA TIAGO ; CARDOSO CABRAL MARTINS DA SILV ; DA SILVA LOPES NUNO ANTONIO ; DA SILVA LOPRES NUNO ANTONIO

CARDOSO CABRAL MARTINS DA SILVA NUNO FILIPE

BULL HOUSSER AND TUPPER LLP; SUGHRUE MION PLLC

B65F1/14 B65F1/16 B66F3/25 (Advanced/Invention); B65F1/14 B65F1/16 B66F3/24 (Core/Invention)

B65F1/1447 B65F1/1457 B65F2210/108 B65F2210/128 B65F2210/144 B65F2210/165 B65F2210/172 B65F2210/184

B65F1/14D6 B65F1/14E2 L65F210/108 L65F210/128 L65F210/144 L65F210/165 L65F210/172 L65F210/184

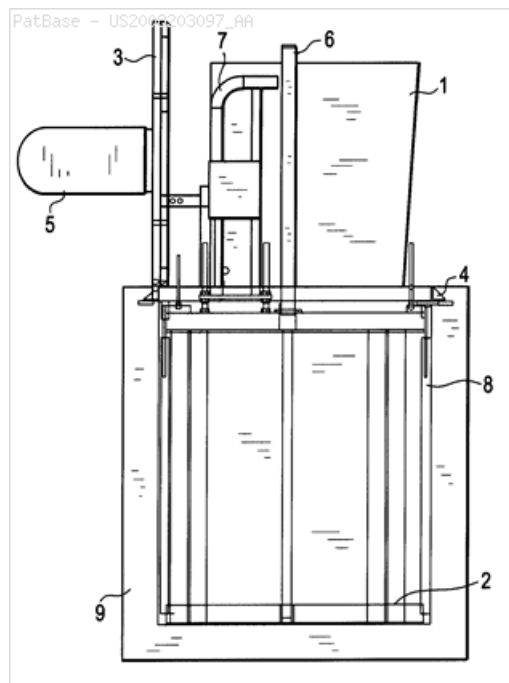
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[Classification Explorer](#)

US6361131 BA, US6338596 BA, US5573085 A, US5490355 A, US5469936 A, US5365704 A, US5140786 A, US3800973 A, US2528056 A,

WO18215682, WO14070030, WO11159179, WO11159179, WO10041969, USD721489, US9938077, US9016496, US8534482, US2015291355, US2012168438, US2011210124, US10207865, US10023383, RU2623244, ITFI20120244, ES2691045, ES2445649, ES2380030, ES2378041, EP2368815, AU2008362804,

Abstract:
The present invention applies to the collection of solid waste into underground equipment and it refers to a system by which an underground pit is used to house one or more solid waste container(s). The system for the collection of solid waste as described by the current invention has a hydraulically activated platform on which one or more waste containers can be placed. It is made up of a bottom structure, a lid, an external surface, one or more deposit bins, two or more hydraulic cylinders, two or more structures that push and support the lid and a leveling structure. This platform, which can match the slope of the surrounding surface, is leveled and secured to a concrete pit.



9) Family number: 31314543 (ES2189636B)

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Title: RECEPTOR SOTERRADO APLICABLE PARA LA RECOGIDA Y CLASIFICACION DE RESIDUOS SOLIDOS URBANOS EN GENERAL.

Priority: ES20010000794 20010404

Family:	Publication number	Publication date	Application number	Application date
	ES2189636 AA	20030701	ES20010000794	20010404
	ES2189636 BA	20041016	ES20010000794	20010404

Probable Assignee: CASCALLANA GUERRA JESUS MARIA

Assignee(s):(std): CASCALLANA GUERRA JESUS MARIA

Inventor(s):(std): CASCALLANA GUERRA JESUS MARIA

International class (IPC 8-9): B65F1/14 B65F7/00 (Advanced/Invention);
B65F1/14 B65F7/00 (Core/Invention)

International class (IPC 1-7): B65F1/14 B65F7/00

CPC: Y02W30/60 B65F1/1447 B65F1/1457

European class: B65F1/14D6 B65F1/14E2

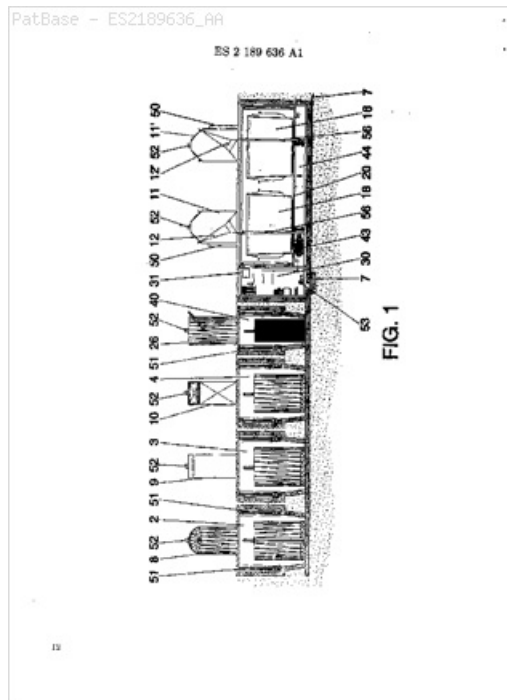
[Classification Explorer](#)

Cited documents: WO9854072 A1, WO9622238 A1, FR2763051 A1, EP0974535 A1, EP0768250 A1, EP0650908 A1, EP0608767 A1, DE19721284 A1,

Forward Citations: ES2378041, ES2317754, EP2368815,

Abstract:

Underground container for collecting and sorting general urban solid waste which consists of a single installation made up of a trench (5) with two or more containers (18) and (18'), a single hydraulic unit and an automaton, and adjoining trenches (2), (3), (4), (40) and (30) for containers for glass, paper and cardboard, plastics, iron; also the electrical and hydraulic elements to drive the installation, with receiving slots in the upper part, with automatically closing gates when full and anti-vandal warning systems.



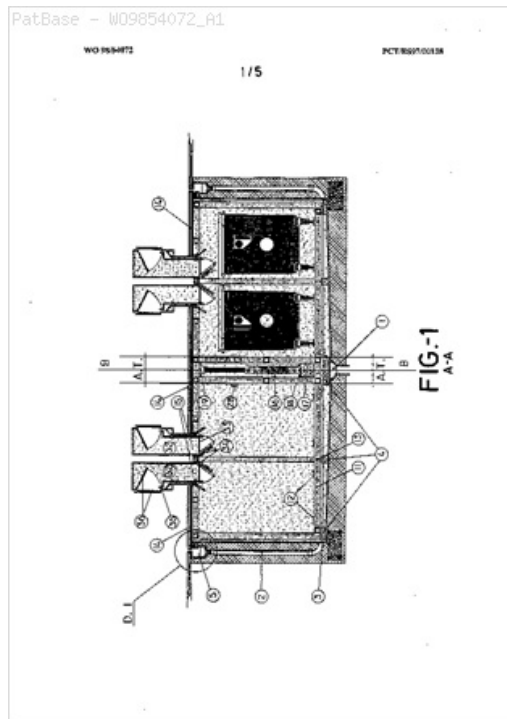
10) Family number: 19123792 (WO9854072A1)

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Abstract:

Concealed ecological collector for urban solid waste materials, said collector consisting of an underground pit made of reinforced concrete, provided with a drain or water discharge channel (1), with an internal cage bearing on footings (4), presenting on the upper area of the pit a seal (7). The cage has at its lower portion longitudinal bars (11) which support rails (12) to which are coupled the wheels of the containers. The separation between the rails can be varied, the latter being provided with stops in the guides (13) and sliding in two sections nested in the walls of the pit, and acting as a travel stop. The cage has security locks and a lid (14) is placed at the top of the assembly. Water tapping points from the water network are provided to actuate the washing and fire hydrant systems. Automatic disinfection and deodorising systems are also provided. The cage can be lifted by means of a hydraulic piston (17) situated in the central area of the pit and, specifically, in the central area of the cage, in order to lift and couple the cage to the waste removal vehicle. Doors, at the upper part, intended to have access to the inside, are provided with content detection systems.



11) Family number: 10377690 (EP0650908A1)

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Title: IMPROVEMENTS IN UNDERGROUND REFUSE STORAGE UNITS.

Priority: FR19930013009 19931102

Family:

Publication number	Publication date	Application number	Application date
AT160996 E	19971215	AT19940402320T	19941017
DE69407259 D1	19980122	DE19946007259	19941017
DE69407259 T2	19980402	DE19946007259T	19941017
DK0650908 T3	19980427	DK19940402320T	19941017
EP0650908 A1	19950503	EP19940402320	19941017
EP0650908 B1	19971210	EP19940402320	19941017
ES2109637 T3	19980116	ES19940402320T	19941017
FR2711976 A1	19950512	FR19930013009	19931102
FR2711976 B1	19980130	FR19930013009	19931102
GR3025659 T3	19980331	GR19970403266T	19971211

Probable Assignee: ALLIBERT MANUTENTION SA

Assignee(s):(std): ALLIBERT EQUIPEMENT ; ALLIBERT MANUTENTION SA ; G GENET ETS

Assignee(s): ETABLISSEMENTS G GENET ; ETABLISSEMENT G GENET PARIS FR ; ALLIBERT EQUIPEMENT SOC ANONYME SOC ; ALLIBERT EQUIPEMENT SOCIETE ANONYME SOC ; ALLIBERT EQUIPEMENT SOCIETE ANONYME SOCIETE DITE

Inventor(s):(std): TRUDET STEPHANE LE ; STEPHANE LE TRUDET ; LE TRUDET STEPHANE

Inventor(s): LE TRUDET STEPHANE F 92120 MEUDON FR

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

International class (IPC 8-9): B65F1/14 (Advanced/Invention);
B65F1/14 (Core/Invention)

International class (IPC 1-7): B65F1/14

CPC: B65F1/1447 B65F1/1457

European class: B65F1/14D6 B65F1/14E2

[Classification Explorer](#)

Cited documents: US5140786 A, EP0252437 A2, DE9004988 U1, DE9004988 U,

Forward Citations: WO9842596, NL1028803, NL1027432, NL1005603, FR2988707, FR2977246, FR2857948, FR2809474, FR2799191, FR2797855, ES2301315, ES2189636, EP2644536, EP1714915, EP1714915, EP1520806, EP1072538, DE10326930,

Abstract:

Unit for receiving refuse for underground storage, comprising a pit (6), a vessel (4) which can be arranged therein, this vessel being surmounted by a hollow column (8b, 8d) for receiving the refuse and guiding it towards the vessel, handling means (20, 22) making it possible, in particular, to lift the vessel from the pit and to lower it into it. According to the invention, retractable means (26) for mechanical protection of the vessel, of its column and/or of the area around the unit, when the said vessel is being handled, are also provided in order to retract when the vessel is manoeuvred in the pit and to take up a protective position, substantially at ground level or above it when the vessel is out of the pit. Application to the selective collection of refuse in an urban environment.

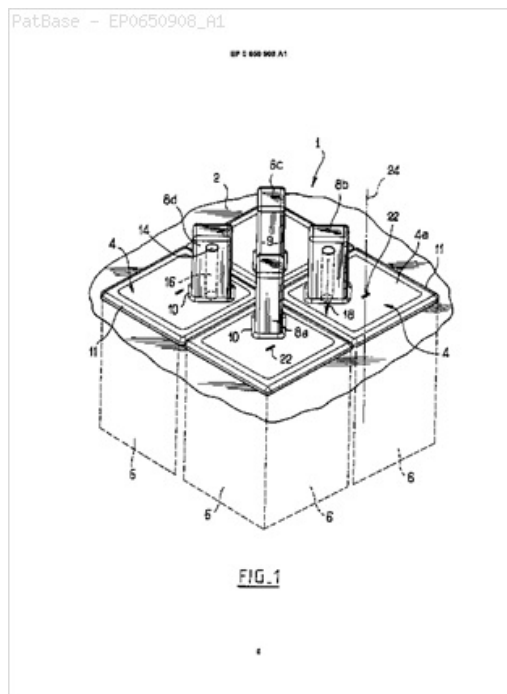


FIG. 1

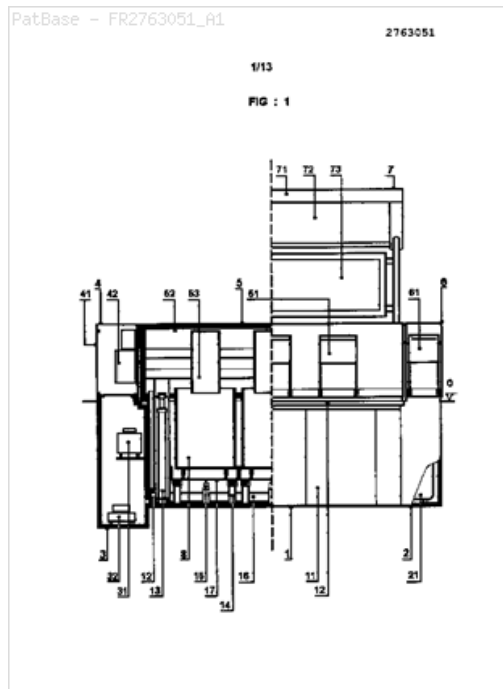
12) Family number: 13418191 (FR2763051B)

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Abstract:

A fixed casing (1), buried below street level (O), has one side compartment (4) accommodating electric and hydraulic auxiliaries, and another (6) liquid refuse tanks. Individual skips (8), normally stationed within this section, can be latched (17,18) to a mobile superstructure (5), which is then raised, by hydraulic rams, or screw jacks (13), for removal at street level. The increasing weight of each skip, as material is added through public access chutes (51), is monitored by a sensor (15) connected to a remote operations room; at a preset value the chute is locked off and collection arranged. Superstructure uprights carry public information panels, an inclined solar panel (72) providing electric power to the centre, and overhead lighting (71).



13) Family number: 9321870 (EP0768250A1)

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Title: WASTE CONTAINER, RECEIVING HOLDER THEREFOR AND ASSEMBLY OF A WASTE CONTAINER AND RECEIVING HOLDER

Priority: NL19950000170 19950131

Family:	Publication number	Publication date	Application number	Application date
	EP0768250 A1	19970416	EP19960200178	19960131
	NL9500170 A	19960902	NL19950000170	19950131

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Inventor(s):(std): PRUIJSER JOHAN SEBASTIAAN ; PRUYSER BAS

Inventor(s): BAS PRUYSER

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International class (IPC 1-7): B65F1/00 B65F1/12 B65F1/14

CPC: B65F2210/1121 B65F2240/1123 B65F2240/156 B65F1/1447 B65F1/004 B65F1/125 Y02W30/60 Y02W30/64 B65F1/1607

European class: B65F1/00B2 B65F1/12D B65F1/14D6

[Classification Explorer](#)

Cited documents: WO9310026 A1, EP0480326 A1, EP0252437 A2, DE9004988 U,

Forward Citations: WO06032073, NL2010839, NL2010839, ES2189636, EP2808273, EP1298076, EP1205404, EP1167241, DE19721284, DE19721284, DE10102482, DE10102482, DE10061185,

Abstract:

Waste container (1) comprising a collection tank (16) of relatively large dimensions for placing underground and one or more insertion units (3-8) for placing above ground which are provided in each case with an insertion opening (9) and which have considerably smaller dimensions than the collection tank. Because a large collection tank is available underground an efficient filling of the waste container according to the present invention is achieved, while the whole waste container can be emptied in one operation.

