

Search query (2): fn=(14862363 or 42961489 or 52003394 or 52002941 or 50662704 or 50662704 or 10682591 or 14896421 or 28673566 or 29508489 or 32171044 or 32171044 or 44517724 or 33430148 or 48846401 or 48846401 or 49250105 or 49250105 or 19273481 or 42458427 or 58644237 or 30091146 or 32731059 or 55052214 or 48501343 or 56480250 or 46866164 or 19273481 or 28673566 or 49250105 or 46866164 or 43305846 or 63710711 or 49250105 or 28673566 or 30091146 or 42458427 or 46866164 or 50662704 or 58644237 or 63710711 or 14862363 or 18333174 or 19273481 or 1193512 or 1661017 or 31447525 or 17668157 or 17668157 or 11359787 or 3023414 or 7245029 or 1118899 or 6824131 or 14444502 or 3143830)

Results: 37

Search history

Search pn=(EP0600808) (Results 1)

1:

Search fn=(14862363 or 42961489 or 52003394 or 52002941 or 50662704 or 50662704 or 10682591 or 14896421 or 28673566 or 29508489 or 32171044 or 32171044 or 44517724 or 33430148 or 48846401 or 48846401 or 49250105 or 49250105 or 19273481 or 42458427 or 58644237 or 30091146 or 32731059 or 55052214 or 48501343 or 56480250 or 46866164 or 19273481 or 28673566 or 49250105 or 46866164 or 43305846 or 63710711 or 49250105 or 28673566 or 30091146 or 42458427 or 46866164 or 50662704 or 58644237 or 63710711 or 14862363 or 18333174 or 19273481 or 1193512 or 1661017 or 31447525 or 17668157 or 17668157 or 11359787 or 3023414 or 7245029 or 1118899 or 6824131 or 14444502 or 3143830) (Results 37)

1) Family number: 7245029 (US3721060A)

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Title: REFUSE COMPACTING DEVICE

Abstract: A refuse compactor easily positioned under existing refuse chutes and allowing the refuse collecting, compacting and packaging steps to be performed along a single vertical axis. The compactor incorporates at least one horizontally disposed movable door functioning as a compacting ram, with an open position for refuse collecting and a closed position for compacting. In one embodiment, the movable door is supported by two vertically disposed reciprocating plates slidable along the inside walls of a surrounding extension chute. The plates are driven by hydraulic pistons. When refuse is dropped into the chute, it passes through the extension chute, the open movable door and into collection means placed at the base of the extension chute. When compaction is desired, the movable door is closed and the hydraulic pistons draw the vertical plate and door assembly down to compact the refuse collected. Thus the collecting, compacting and packaging steps all occur along a single vertical axis. In other embodiments, the collection and compaction occur within the extension chute by incorporating movable doors or a movable platform at the base of the extension chute to substantially close the chute and collect the refuse. When compaction is desired, similar horizontally disposed vertically reciprocating movable doors are used to effectuate the compaction. When the desired amount of refuse has been compacted, the movable doors at the base of the extension chute open and allow the compacted refuse to drop into collection means at the base of the extension chute or the platform is drawn downward supporting the compacted refuse. In a further embodiment, movable doors at the base of the extension chute serve as the press head while the collection means placed at the base of the extension chute are vertically reciprocated to effectuate the desired compaction. The compactor also incorporates reciprocating flexible fins or permanently mounted sawtooth blades in the extension chute or mounted in the existing refuse chute to destroy any refuse bridge and substantially reduce any refuse buildup or jamming.

Classifications:

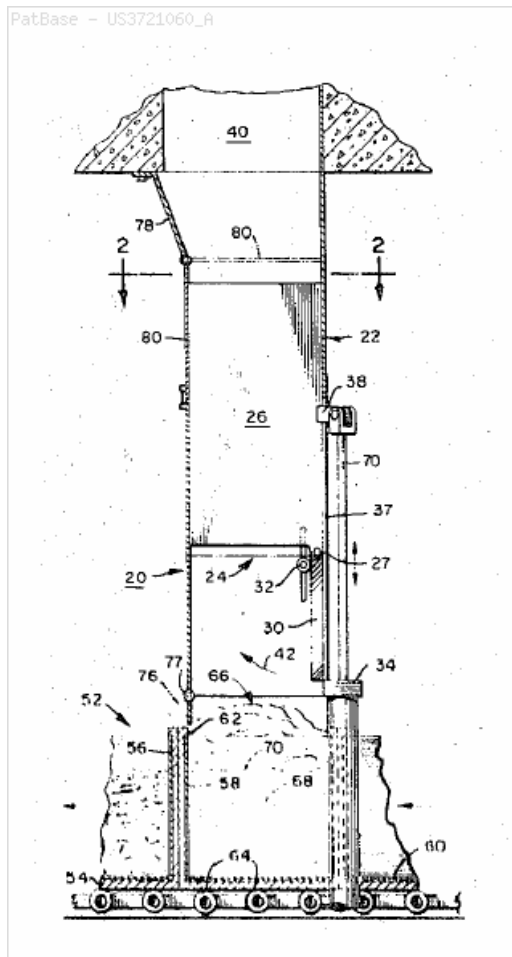
International (IPC 1-7): B30B9/30 B65B1/24

CPC: B09B3/0025 B30B9/30 B65F1/0093

European: B09B3/00D B30B9/30 B65F1/00C

US: 100/215 100/218 100/220 100/226 100/269.11 100/295 100/49

53/12.4B 53/527 53/529 53/576

**Family:**

Publication number	Publication date	Application number	Application date
US3721060 A	19730320	US19700043154	19700603

Priority:

US19700043154 19700603

Probable Assignee:

QUINTO M

Assignee(s): (std):

QUINTO M

Assignee(s):

QUINTO M US

Inventor(s): (std):

QUINTO M

Inventor(s):

QUINTO M US

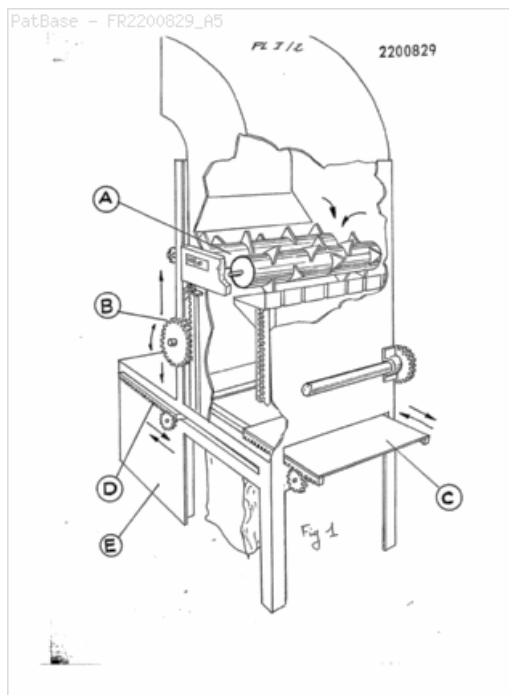
2) Family number: 3023414 (FR2200829 A5)

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Classifications:**International (IPC 8-9):** B65B63/02 B65F1/00 (Advanced/Invention);

B65B63/00 B65F1/00 (Core/Invention)

International (IPC 1-7): B65F1/00**CPC:** B65B63/02 B65F1/0093**European:** B65B63/02 B65F1/00C



Family:

Publication number	Publication date	Application number	Application date
FR2200829 A5	19740419	FR19710047195	19711222

Priority:

FR19710047195 19711222

Probable Assignee:

TARALLO GEORGES

Assignee(s): (std):

TARALLO GEORGES

Assignee(s):

TARALLO GEORGES FR

3) Family number: 1118899 (US3861117A)

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Title: REFUSE DISPOSAL APPARATUS

Abstract: The following specification discloses an apparatus for location within restaurants, stores, warehouses, apartment buildings, and the like for shredding and packing refuse into bag-like containers. The apparatus includes a sealing means for sealing the container air-tight to insure that all odours emanating from the refuse are held within it while the container awaits pick-up for disposal.

Classifications:

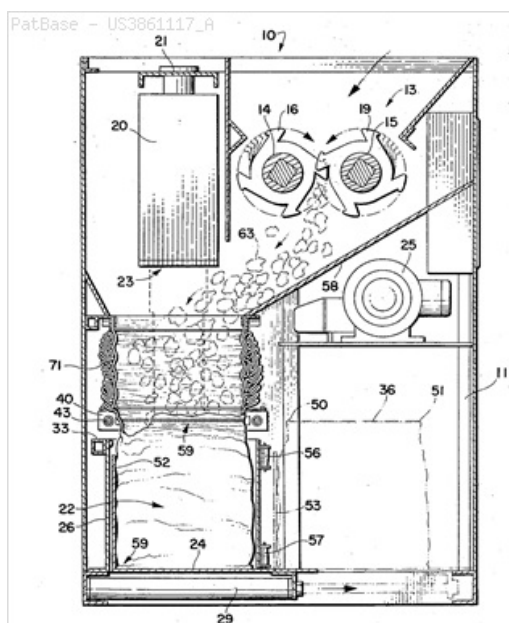
International (IPC 8-9): B09B3/00 B30B9/30 B65B1/24 B65B51/14 (Advanced/Invention); B09B3/00 B30B9/00 B65B1/00 B65B51/14 (Core/Invention)

International (IPC 1-7): B65B1/24

CPC: B02C18/0084 B09B3/0025 B30B9/3003 B30B9/3032 B30B9/3035 B30B15/08 B65B1/24 B65B51/146

European: B02C18/00W B02C18/40 B09B3/00D B30B15/08 B30B9/30C B30B9/30C10 B30B9/30C9 B65B1/24 B65B51/14D

US: 100/218 100/229A 100/97 53/527 53/528



Family:

Publication number	Publication date	Application number	Application date
CA964632 A1	19750318	CA19720143398	19720530
US3861117 A	19750121	US19730362960	19730521

Priority:

CA19720143398 19720530

Probable Assignee: FILIPPI QUINTO DE
Assignee(s): (std): DEFILIPPI QUINTO ; FILIPPI QUINTO DE
Assignee(s): DE FILIPPI QUINTO
Inventor(s): (std): DE FILIPPI QUINTO ; DEFILIPPI QUINTO

4) Family number: 1193512 (AU197612019A)

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Title: LITTER BIN WITH ASH RECEPTACLE

Classifications:

International (IPC 8-9): A24F19/00 A24F19/10 B65F1/10 (Advanced/Invention);
A24F19/00 B65F1/10 (Core/Invention)
International (IPC 1-7): A24F19/10
CPC: A24F19/00 B65F1/10 B65F2210/104
European: A24F19/00 B65F1/10 L65F210/104

Family:

Publication number	Publication date	Application number	Application date
AU197612019 A1	19770922	AU19760012019	19750313
AU495290 B2	19770922	AU19760012019	19760315

Priority:

AU19760012019 19750313 AU19760012019 19760315

Probable Assignee: BYRNE H J
Assignee(s): (std): BYRNE H J
Assignee(s): BYRNE HJ ; HERBERT JOHN BYRNE
Inventor(s): (std): BYRNE HERBERT JOHN
Inventor(s): HERBERT JOHN BYRNE

5) Family number: 6824131 (US4102263A)

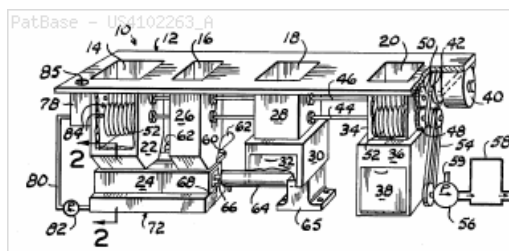
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Title: Garbage recycling system

Abstract: A device for reducing solid waste material to a comminuted and/or compacted state for ease in disposal. The device comprises a series of receptacles, one for each class of waste material, provided with power driven cutters. At least one hydraulic ram type compactor compresses waste material.

Classifications:

International (IPC 8-9): B30B9/30 (Advanced/Invention)
International (IPC 1-7): B30B15/30
CPC: B02C18/0084 B30B9/3017 B30B9/3035 B30B15/08
European: B02C18/00W B02C18/40 B30B15/08 B30B9/30C10 B30B9/30C5
US: 100/102 100/127 100/74 100/97 241/44 241/99 428/15



Family:

Publication number	Publication date	Application number	Application date
US4102263 A	19780725	US19770821449	19770803

Priority:

US19770821449 19770803

Probable Assignee: FORSBERG ROBIN R
Assignee(s): (std): FORSBERG ROBIN R
Inventor(s): (std): FORSBERG ROBIN R

6) Family number: 31447525 (US4203608A)

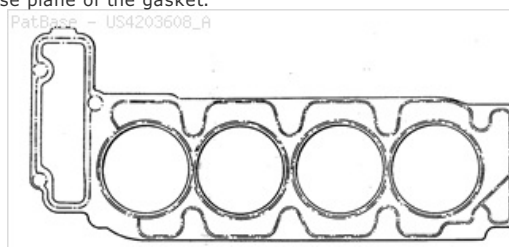
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Title: Corrugated gaskets

Abstract: A corrugated gasket particularly intended for ensuring liquid and gas tight joints between opposed solid surfaces in automotive engineering has a double waveform section configuration wherein the distance between a plane which contains the apexes of the two waves and a plane parallel thereto which contains the base of the trough between the two waves is significantly less than the distance between the first plane and the base plane of the gasket.

Classifications:

International (IPC 8-9): B02C1/00 B30B9/30 B30B9/32 F16J15/08 (Advanced/Invention);
B02C1/00 B30B9/00 B30B9/32 F16J15/08 (Core/Invention)
International (IPC 1-7): B02C19/14 B30B15/08 B30B15/30 B30B9/30 B30B9/32 F02F11/00 F16J15/02 F16J15/06 F16J15/08
CPC: F16J15/0818 F16J2015/085 F16J2015/0856 B30B9/3092 B02C1/00 B02C19/0081 B30B9/3039 B30B9/321 Y10S100/902
European: B02C1/00 B02C19/00W8 B02C19/14 B30B9/30C11 B30B9/30P B30B9/32B F16J15/08C R16J15/08C14 R16J15/08C16
US: 100/209 100/215 100/218 100/245 100/295 100/45 100/74 100/902 100/98.0R 100/98R 222/87 241/99 277/235B 277/595



Family:

Publication number	Publication date	Application number	Application date
DE2832357 A1	19790426	DE19782832357	19780722
DE2836626 A1	19790809	DE19782836626	19780822
GB1583322 A	19810128	GB19780004350	19780202
JP54042080 A2	19790403	JP19780091390	19780726
NL7808380 A	19790806	NL19780008380	19780811
SE438721 B	19850429	SE19780008815	19780821
SE438721 C	19850808	SE19780008815	19780821
SE7808148 A	19790127	SE19780008148D	19780725
SE7808148 L	19790127	SE19780008148	19780725
SE7808815 A	19790803	SE19780008815D	19780821
SE7808815 L	19790803	SE19780008815	19780821
US4203608 A	19800520	US19780930429	19780802
US4213384 A	19800722	US19780927531	19780724
US4213386 A	19800722	US19780927530	19780724
US4275650 A	19810630	US19800109991	19800107

Priority:

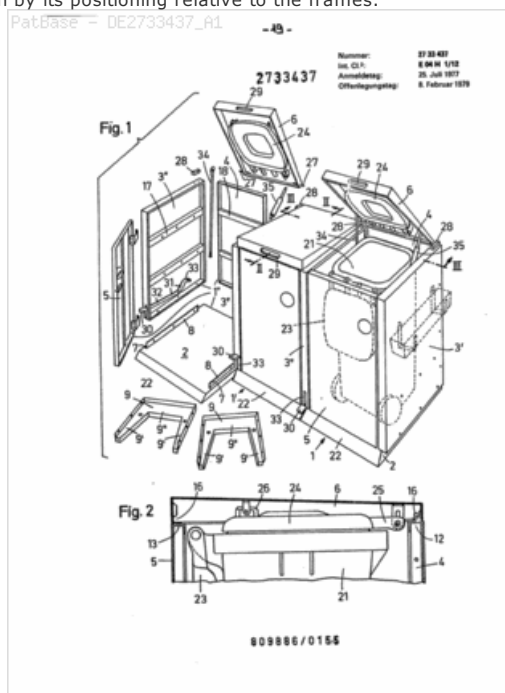
GB19770031402 19770726	GB19770033436 19770810	GB19770033437 19770810
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US19780927531 19780724		

Probable Assignee: TREWHELLA BROTHERS UK LTD**Assignee(s):** (std): NICHOLSON T P ; NICHOLSON TERENCE P ; NICHOLSON TERENCE PETER ; TERENCE PETER NICHOLSON ; TORUUHERA BURAZAAZU YUU KEE LTD ; TREWHELLA BROTHERS U K ; TREWHELLA BROTHERS UK LTD ; TREWHELLA BROS UK LTD**Assignee(s):** TREWHELLA BROTHER UK LTD ; TREWHELLA BROTHERS UK ; TREWHELLA BROTHERS U K LTD ; TERENCE PETER NICHOLSON TE MUGGLESWICK GROOT BRITT ; TERENCE PETER NICHOLSON TE MUGGLESWICK GROOT BRITTANNIE**Inventor(s):** (std): EDOWAADO FUREDERITSUKU TERINGU ; E F TELLING ; BUIARA AIRIIN TERINGU ; TELLING VERA I ; TELLING EDWARD F ; NICHOLSON TERENCE P ; TELLING V I ; TELLING E F ; NICHOLSON TERENCE PETER ; V I TELLING ; TERENCE PETER NICHOLSON ; SOK**Inventor(s):** PETER NICHOLSON TERENCE ; TELLING VI ; TELLING EF**7) Family number: 1661017 (DE2733437A1)**

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Title: ODOUR FREE RUBBISH STORAGE CONTAINER - HAS EXTRA BIN LID BELOW FOLDING COVER, AND U-SHAPED CATCH FRAMES

Abstract: Containers are insertable in the unit, esp. of the large rubbish container type, with open lid through a front door, and are accessible for throwing in rubbish through a folding lid fitted on the box cover. Side and rear walls and cover and folding lid are pref. shaped pieces of sheet metal. The sidewalls (3', 3'') are joined to each other and/or the rear wall (4) by U-shaped trap frames (9) with inside flanks matching the cross-section of the dustbin (12); the opening side of these faces the front door (5). The box cover forms the whole cross-section area exposing the folding cover (6), and the latter has an additional bin lid (24) on its underside, to act as odour lock for the bin by its positioning relative to the frames.

Classifications:**International (IPC 8-9):** B65F1/14 (Advanced/Invention); B65F1/14 (Core/Invention)**International (IPC 1-7):** E04H1/12 E06B5/02**CPC:** B65F1/1426 B65F1/1623 B65F1/163**European:** B65F1/14D**Family:**

Publication number	Publication date	Application number	Application date
DE2733437 A1	19790208	DE19772733437	19770725

Priority:

DE19772733437 19770725

Probable Assignee: SCHAEFER GMBH FRITZ

Assignee(s): (std): SCHAEFER GMBH FRITZ

Assignee(s): FRITZ SCHAEFER GMBH FABRIKEN F LAGER U BETRIEBSEINRICHTUNGEN SALCHENDORF BEI NEUNKIRCHEN KREIS SIEGEN ; FRITZ SCHAEFER GMBH FABRIKEN FUER LAGER UND BETRIEBSEINRICHTUNGEN SALCHENDORF BEI NEUNKIRCHEN KREIS SIEGEN

Inventor(s): (std): BEANTRAGT NICHTNENNUNG

8) Family number: 11359787 (US5042634A)

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Title: COLLECTION AND RECYCLING UNIT FOR USED CONTAINERS

Abstract: A system for collecting and recycling used containers made from metal and plastic materials, having two different operative cycles for processing the containers in a closed cubicle compartment provided with two openings for introducing containers while pre-separating the plastic from the metal containers; lower doors provide access to the cubicle for removal of processed containers, a gate including a central opening for receiving the neck and only allowing passage of the plastic container sensed by a neck sensor and for operating an electrically operated piston-cylinder assembly to operate the gate and permit the entire plastic bottle to be conveyed to a first roller set for squeezing thereof including intermediate rollers positioned between two squeezing rollers, the intermediate rollers having different diameters for reducing the size of the container, and the metal container is also conveyed to a second set of squeezing rollers and both types of containers pass a sensor for counting the number thereof, the second set of rollers includes coaxial rollers which turn simultaneously with the first set of squeezing rollers, and a sensor capable of recognizing the material type for authorizing payment.

Classifications:

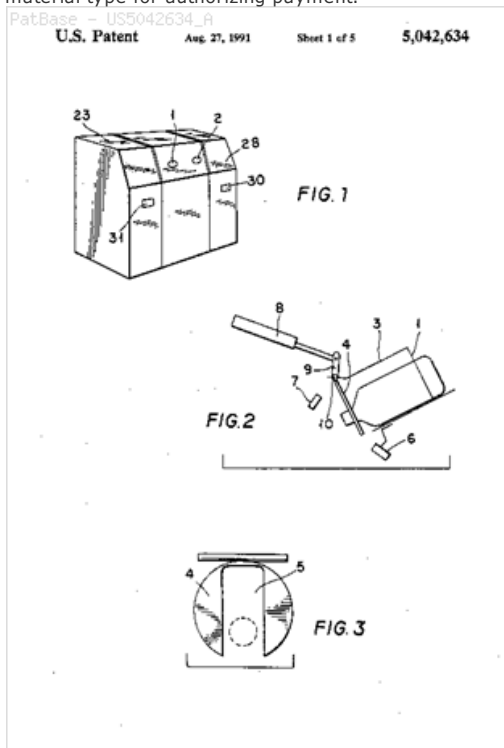
International (IPC 8-9): B29B13/10 B29B17/00 B29B17/02 B30B9/32 B65F1/00 G07F7/06 (Advanced/Invention); B29B13/10 B29B17/00 B29B17/02 B30B9/32 B65F1/00 G07F7/00 (Core/Invention)

International (IPC 1-7): B29B17/00 B30B9/30 B65F1/00 G07F7/06

CPC: Y10S100/902 B29B17/0052 B29B13/10 B29K2705/00 B29K2705/02 B29K2705/12 B29L2031/7158 B30B9/325 B65F1/0033 B65F2210/12 B65F2210/124 B65F2210/1525 G07F7/0609 Y02W30/10 Y02W30/62

European: B29B13/10 B29B17/00D6B B30B9/32B4 B65F1/00B G07F7/06B L29K705/00 L29K705/02 L29K705/12 L29L31/7158 L65F210/120 L65F210/124 L65F210/152D

US: 100/902 194/209 241/236



Family:

Publication number	Publication date	Application number	Application date
EP0389735 A1	19901003	EP19890830136	19890328
US5042634 A	19910827	US19900473728	19900202

Priority:

EP19890830136 19890328 US19900473728 19900202

Probable Assignee: GOVONI SPA

Assignee(s): (std): GOVONI SPA

Assignee(s): GOVONI VIA BONDENESE SPA

Inventor(s): (std): GULMINI CARLO

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

9) Family number: 17668157 (DE9104074U1)

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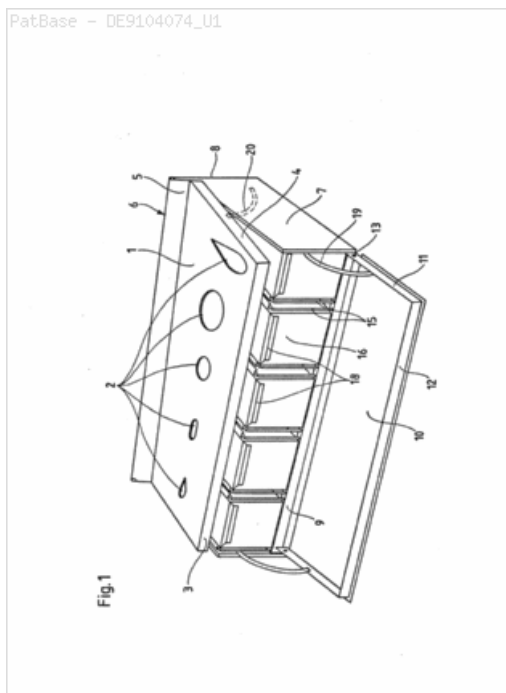
Abstract: Source: DE9104074U1 [DE] (Claim 1) 1. Abfallsammler zum Sammeln von Abfall, Bedarfsartikeln und Wertstoffen fuer Krankenhaeuser, Heime und Hotels, mit mindestens einem in einen Traeger unterhalb einer mindestens eine Einwurfoeffnung aufweisenden Abdeckplatte einsetzbaren Auffangbehaelter, d a d u r c h g e k e n n z e i c h n e t, dass die Abdeckplatte (1) um ein waagerechtes Scharnier (6) im Bereich der rueckwaertigen Querkante (5) aufklappbar am Traeger (7,8, 9) befestigt ist.

Machine translation: (Claim 1) 1 Waste collectors to collect waste, required items and recyclable materials for hospitals, nursing homes and hotels, with at least one in a Traeger below a minimum of one Einwurfoeffnung having cover deployable Auffangbehaelter, characterized in that the cover plate (1) around a horizontal hinge (6) in the rear transverse edge (5) hinged on Traeger (7,8, 9) is attached.

Classifications:

International (IPC 8-9): A61B19/02 A61B50/36 A61M5/32 B65F1/00

B65F1/16 (Advanced/Invention);
A61B19/00 A61M5/32 B65F1/00 B65F1/16 (Core/Invention)
International (ipc 1-7): A61M5/00 B65F1/16
CPC: B65F1/16 A61B50/36 A61M5/3205 B65F1/006
European: A61B19/02R A61M5/32C B65F1/00B4B B65F1/16



Family:

Publication number	Publication date	Application number	Application date
DE9104074 U1	19910613	DE19910004074U	19910404
DE9104074 U1	19910725	DE19910004074U	19910404

Priority:

DE19910004074U 19910404

Probable Assignee:

HAMMERLIT GMBH 2950 LEER DE

Assignee(s):

HAMMERLIT GMBH 2950 LEER DE

10) Family number: 3143830 (WO9113010A1)

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Title: DOMESTIC WASTE PROCESSOR

Abstract: The present invention relates to a domestic waste processor (1). The processor (1) comprises a housing (2) having a plurality of inlet apertures (6) connected by delivery chutes (8) to a compactor (10) for compacting waste material (24) passing down the chute (8). The processor (1) is provided with removable containers (4) for collection of processed waste material (34). In use of the processor (1) a plurality of different types of waste (24) may be introduced into respective inlet apertures (6), compacted, and then collected in respective containers (4) which may be periodically emptied or disposed of.

Classifications:

International (ipc 8-9): B30B9/30 B65F1/00 (Advanced/Invention);
B30B9/00 B65F1/00 (Core/Invention)

International (ipc 1-7): B65F1/00 B65F1/14

CPC: Y02W30/10 B30B9/3017 B02C18/0084 B30B9/3082

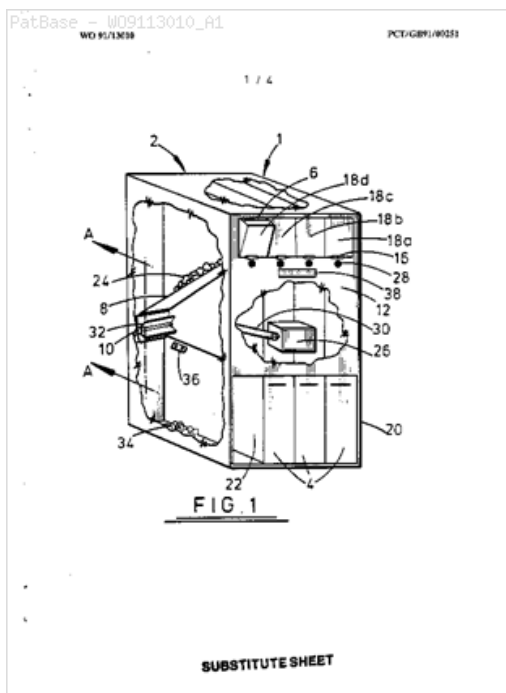
B65F1/0033 B65F2210/1128 B65F2210/1443 B65F2210/1525

B65F2210/162 B65F2210/176

European: B02C18/00W B02C18/40 B30B9/30C5 B30B9/30L

B65F1/00B L65F210/112G L65F210/144B L65F210/152D L65F210/162

L65F210/176



Family:

Publication number	Publication date	Application number	Application date
AT116936 E	19950115	AT19910904618T	19910219

AU199173252 A1	19910918	AU19910073252	19910219
DE69106619 D1	19950223	DE19916006619	19910219
DE69106619 T2	19950614	DE19916006619T	19910219
EP0469122 A1	19920205	EP19910904618	19910219
EP0469122 B1	19950111	EP19910904618	19910219
GB9003788 A0	19900418	GB19900003788	19900220
GB9020459 A0	19901031	GB19900020459	19900919
WO9113010 A1	19910905	WO1991GB00251	19910219

Priority:

GB19900003788 19900220 GB19900020459 19900919 WO1991GB00251 19910219

Probable Assignee: PRYDE CORP

Assignee(s): (std): PRYDE CORP ; PRYDE FOUNDATION

Assignee(s): PRYDE FOUNDATION VADUZ LI

Inventor(s): (std): ISMAIL MUHAMMAD ALI

Inventor(s): MUHAMMAD ALI ISMAIL ; ISMAIL MUHAMMAD ALI PERTH PH2 7QQ GB

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CM DE DK ES FI FR GA GB GR HU IT JP KP KR LI LK LU MC MG
ML MR MW NL NO PL RO SD SE SN SU TD TG US

11) Family number: 14444502 (US5139205A)

Title: SEGREGATED WASTE DISPOSAL SYSTEM

Abstract: A segregated waste disposal system is disclosed which includes a plurality of separate bins for receiving paper, plastics, glass, and metal respectively. Two openings are provided within the overall unit, one of the openings receiving paper/plastics, the other opening receiving glass/metal. The respective openings perform different disposal functions with respect to the materials inserted therein, whereby the glass/metals opening compresses the glass/metals such that the compressed glass will immediately fall through a grate into a glass bin and a sweep arm sweeps compressed metal to an adjacent metals bin. The paper/plastics opening compresses the paper/plastic and subsequently shreds the compressed material. Deflection to a respective paper/plastics bin is determined by an operators instruction achieved via a selection panel provided in connection with the waste disposal system.

Classifications:

International (IPC 8-9): B02C 18/00 B30B9/30 B65F1/00
B65F1/14 (Advanced/Invention);

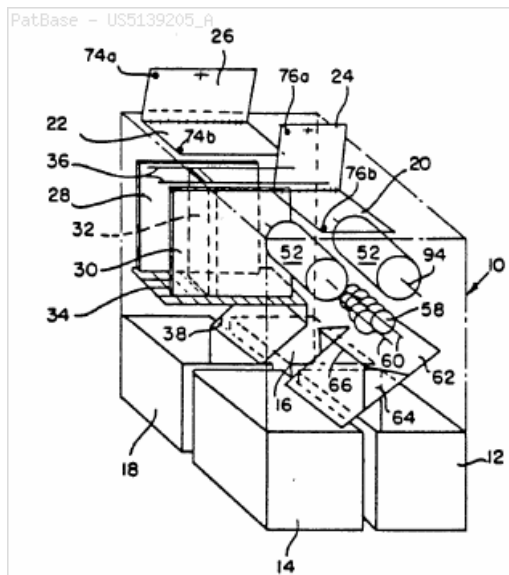
B02C18/00 B30B9/00 (Core/Invention)

International (IPC 1-7): B02C23/08 B02C4/32 B02C9/04

CPC: Y10S241/38 B65F1/1405 B65F2210/1525 B30B9/323
Y02W30/10 Y02W30/60 B65F1/0033 B02C18/0007 B02C18/0084
B02C19/0081 B30B9/30 B65F2001/008 B65F2210/148 B65F1/1623
B65F1/163 B65F2210/144 B65F2210/176 B65F2240/1123
B65F2240/12

European: B02C18/00W B02C18/40 B02C19/00W8 B02C19/14
B30B9/30 B65F1/00B B65F1/14B L65F1/00B12 L65F210/148
L65F210/152D

US: 241/101.2 241/33 241/69 241/79 241/81 241/99 241/DIG.38



Family:

Publication number	Publication date	Application number	Application date
US5139205 A	19920818	US19910729362	19910712
US5213272 A	19930525	US19920913930	19920717
WO9300995 A1	19930121	WO1992US05669	19920710
WO9402249 A1	19940203	WO1993US06646	19930719

Priority:

US19910729362 19910712 US19920913930 19920717

Probable Assignee: GALLAGHER DENIS

Assignee(s): (std): GALLAGHER DENIS ; SWETZ RICHARD A

Inventor(s): (std): SWETZ RICHARD A ; GALLAGHER DENIS

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

12) Family number: 10682591 (EP0686579A2)

Title: APPARATUS SUITABLE FOR SEPARATELY RECEIVING, COMPACTING AND STORING SOLID URBAN WASTE

Abstract: Apparatus suitable for separately receiving, compacting and storing different types of solid urban waste in a domestic setting, characterized by the fact that the apparatus (1) in question consists of a container whose internal portion is subdivided into an area for the insertion and analysis of the product, plus an area for compacting which houses the devices for treatment of the refuse, preferably installed on a rotating platform so that they can position themselves, following a command give by the user, in correspondence with the insertion hatch (2), as well as a storage zone (8) subdivided into compartments (5), each of which receives only one category of treated and subdivided waste.

Classifications:

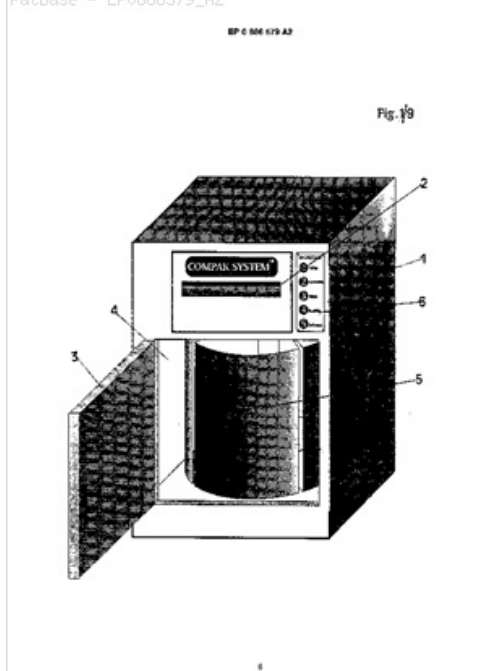
International (IPC 8-9): B30B9/30 B30B9/32 B65F1/00 B65F1/10 B65F1/14 (Advanced/Invention); B30B9/00 B30B9/32 B65F1/00 B65F1/10 B65F1/14 (Core/Invention); B65F (Subclass/Invention)

International (IPC 1-7): B65F1/00 B65F1/10 B65F1/14 B65F3/00

CPC: Y02W30/10 B30B9/321 B30B9/3064 B30B9/325 B65F1/0033 B65F1/004 B65F1/10 B65F2001/008 B65F2210/1121 B65F2210/1125 B65F2210/1128

European: B30B9/30G2 B30B9/32B B30B9/32B4 B65F1/00B B65F1/00B2 B65F1/10 L65F1/00B12 L65F210/112A L65F210/112D L65F210/112G

PatBase - EP0686579_A2

**Family:**

Publication number	Publication date	Application number	Application date
DE69508844 D1	19990512	DE19956008844	19950609
DE69508844 T2	19991230	DE19956008844T	19950609
EP0686579 A2	19951213	EP19950830242	19950609
EP0686579 A3	19960228	EP19950830242	19950609
EP0686579 B1	19990407	EP19950830242	19950609
ES2133704 T3	19990916	ES19950830242T	19950609
IT1272266 B	19970616	IT1994RM00364	19940610
ITRM940364 A0	19940610	IT1994RM00364	19940610
ITRM940364 A1	19951211	IT1994RM00364	19940610

Priority:

IT1994RM00364 19940610

Probable Assignee: PONTI ENG SRL

Assignee(s): (std): PONTI ENG SRL ; PONTI ENGINEERING S R L ; CALDERINI NAZZARENO

Assignee(s): CALDERINI NAZZARENO LOC FABBRECCE DI CITTA DI CAST ; CALDERINI NAZZARENO LOC FABBRECCE DI CITTA DI CASTELLO IT ; PONTI ENGINEERING S R L CERBARA CITTA DI CASTELLO ; PONTI ENGINEERING S R L CERBARA CITTA DI CASTELLO IT ; PONTI ENGINEERING SRL

Inventor(s): (std): CALDERINI NAZZARENO

Inventor(s): CALDERINI NAZZARENO I 06011 L FABBRECCE DI CITTA DI CASTELLO IT ; CALDERINI NAZZARENO I 06011 L FABBRECCE DI CITTA D

Designated states: DE ES FR GB

13) Family number: 14862363 (WO9716362A1)

© PatBase

Title: REFUSE RECYCLING APPARATUS

Abstract: It is a multifunctional apparatus (1) comprising, within one single insulated case (2) provided with automatic electronic control systems, suitable and appropriate electromechanical parts and devices granting, in absolute operational autonomy within the different functions, the sorting, fractionating, compacting and collecting of such solid city waste, as glass-ceramics-plastics-polystyrene-plate-paperboard-paper. The apparatus is so designed to operate at the source of the solid city waste production and to meet the requirements relevant to the specific problem of the collectivity, as the apparatus, although keeping its technical and functional characteristics unaltered, has been designed in three basic versions, namely: a) electric utensil multisystem - for family use; b) medium dimension multisystem - for pubs, restaurants, small joint owner communities, small activities; c) large dimension multisystem - for large joint owner communities, hotels, hospitals, mess rooms and school dining halls, barracks, etc.

Classifications:

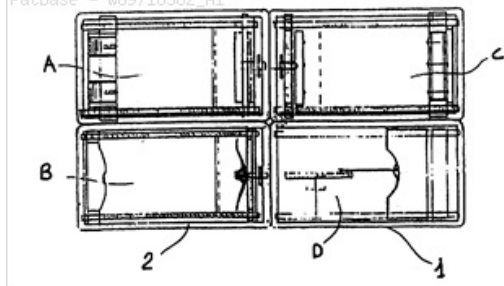
International (IPC 8-9): B65F1/00 B65F1/14 (Advanced/Invention); B65F1/00 B65F1/14 (Core/Invention)

International (IPC 1-7): B09B B65F1/00 B65F1/14

CPC: Y02W30/10 B30B9/321 B30B15/08 B65F1/0033 B65F1/1405 Y02W30/60

European: B30B15/08 B30B9/32B B65F1/00B B65F1/14B

PatBase - WO9716362_A1

**Family:**

Publication number	Publication date	Application number	Application date
AT188667 E	20000115	AT19960905987T	19960311
AU199649529 A1	19970522	AU19960049529	19960311
AU713155 B2	19991125	AU19960049529	19960311
BRPI9611708 A	19990223	BR1996PI11708	19960311
CA2236217 AA	19980427	CA19962236217	19960311
DE69606191 D1	20000217	DE19966006191	19960311
EP0858421 A1	19980819	EP19960905987	19960311
EP0858421 B1	20000112	EP19960905987	19960311
IT1279053 B1	19971204	IT1995MI02253	19951031
ITMI952253 A0	19951031	IT1995MI02253	19951031
ITMI952253 A1	19970430	IT1995MI02253	19951031
WO9716362 A1	19970509	WO1996IT00046	19960311

Priority:

IT1995MI02253 19951031 WO1996IT00046 19960311

Probable Assignee: RIVETTA VINCENZO

Assignee(s): (std): GBATTISTA BRUNO IUCOLANO ; IUCOLANO G BATTISTA BRUNO ; IUCOLANO G BATTISTA BRUNO0 ; IUCOLANO GBATTISTA BRUNO ; LUCOLANO GBATTISTA BRUNO ; RIVETTA VINCENZO

Inventor(s): (std): IUCOLANO GBATTISTA BRUNO ; LUCOLANO GBATTISTA BRUNO ; IUCOLANO G BATTISTA BRUNO

Inventor(s): GBATTISTA BRUNO IUCOLANO ; IUCOLANO G BATTISTA BRUNO0 ; GBATTISTA BRUNO LUCOLANO

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; MARKS AND CLERK

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LI LK LR LS LT LU LV MC MD MG ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TT UA UG US UZ VN

14) Family number: 18333174 (WO9723346A1)

© PatBase

Title: MACHINE FOR COMPACTING/PACKAGING RESIDUAL MATERIAL

Abstract: The machine for compacting/packaging waste material is comprised of a collector container (22) which can be displaced sideways with respect to the main frame (1) of the machine so that its mouth is directly accessible for depositing waste materials. The container, once filled, is situated within the frame (1) under a pressing head (21) which compacts the waste materials. The bottom of the container (22) is embodied by a movable tray (23) which is either part of or independent from the remainder of the container, so that after compaction, said tray (23) is removed sideways in order to allow the compact block of waste material to move downwards to a packaging unit (3) where the block is housed in a bag which is closed and retracted. The tray (23) acts also as a collector for liquid residual materials, by conveying them towards a lateral collector with a drain (41) and an impeller pump (42) outside. Appropriately distributed washing nozzles provide for the periodical cleaning of elements which are in contact with waste materials.

Classifications:

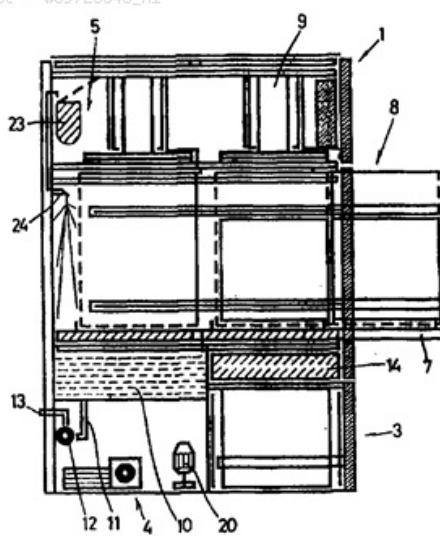
International (IPC 8-9): B09B3/00 B30B9/30 (Advanced/Invention); B09B3/00 B30B9/00 (Core/Invention)

International (IPC 1-7): B09B3/0 B30B9/30

CPC: B09B3/0025 B30B9/3003 B30B9/3032 B30B9/3039 B30B9/3075

European: B09B3/00D B30B9/30C B30B9/30C11 B30B9/30C9 B30B9/30H

PatBase - W09723346_A1



Family:

Publication number	Publication date	Application number	Application date
EP0818303 A1	19980114	EP19960941660	19961218
WO9723346 A1	19970703	WO1996ES00241	19961218

Priority:

ES19950003244U 19951222 WO1996ES00241 19961218

Probable Assignee: MICARINGO S L

Assignee(s): (std): MICARINGO S L

Inventor(s): (std): BILBAO GARCIA BORREGUERO MIGUE

Inventor(s): BILBAO GARCIA BORREGUERO MIGUEL ANGEL

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

15) Family number: 19273481 (US6360655B)

© PatBase

Title: PROCESS AND MACHINE FOR THE TREATMENT OF RESIDUES

Abstract: Residues are found to be stored in the compartments of a multiple container, located in homes, restaurants, cafeterias, etc. The residues thus classified are treated by the user himself who places the residues of the same type in the machine object of the invention, which will be another electrical appliance in homes and premises. The process consists of compacting each type of residue, forming briquettes with a spherical, cylindrical, prismatic shape, etc. formed in the compacting chamber of the machine. A binding material, such as a resin or the like and simultaneously a dye that indicates in accordance with a color code, the type of residue of the briquette, are injected on the briquette in a final stage. After polymerization and solidification, the briquettes are diverted automatically to a storage chamber for their subsequent transfer. The machine includes a compacting chamber with a side wall and another top wall movable by means of respective hydraulic cylinders. The bottom has a movable plate with through holes for juices, also having washing showers. There are binder and dye injecting nozzles, as well as cylinders for diverting the formed briquettes.

Classifications:

International (IPC 8-9): B09B3/00 B30B9/28 B30B9/30 B65F1/00 B65F1/14 (Advanced/Invention);

B65F1/00 B65F1/14 (Advanced/Non-invention);

B09B3/00 B30B9/00 B65F1/00 B65F1/14 (Core/Invention)

International (IPC 1-7): B09B3/00 B30B1/00 B30B9/02 B30B9/28 B30B9/30 B65F1/00 B65F1/14

CPC: B30B9/3078 B09B3/0025 B30B9/3014 B30B9/3039 Y02W30/82

European: B09B3/00D B30B9/30C11 B30B9/30C4 B30B9/30K

US: 100/110 100/112 100/179 100/183 100/190 100/209 100/218

100/226 100/232 100/37 100/73 100/92

JP F-Term: 4D004 4D004/AA03 4D004/AA46 4D004/AC02

4D004/CA03 4D004/CA13 4D004/CA14 4D004/CA22 4D004/CA34

4D004/CA40 4D004/CA45 4D004/CA50 4D004/CB04 4D004/CB05

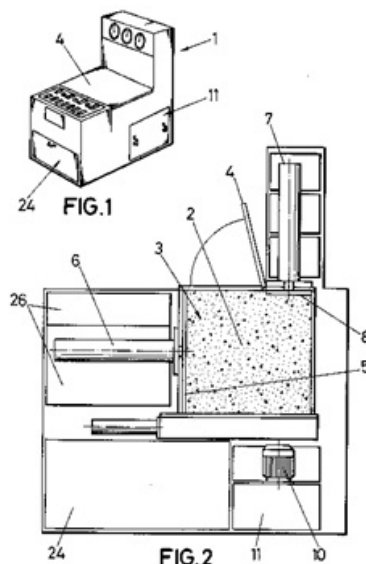
4D004/CB15 4D004/CB32 4D004/CB43 4D004/CC03 4D004/CC15

4D004/CC17 4D004/CC20 4D004/DA02 4D004/DA07 4E005

JP F-Index: B09B3/00/301/Q B30B9/28/A

PatBase - US6360655_BA

U.S. Patent Mar. 26, 2002 Sheet 1 of 5 US 6,360,655 B1

**Family:**

Publication number	Publication date	Application number	Application date
AT261883 E	20040415	AT19980201689T	19980520
AU199877678 A1	19990104	AU19980077678	19980618
AU744224 B2	20020221	AU19980077678	19980618
BRPI9810147 A	20000808	BR1998PI10147	19980608
CA2294061 AA	19991217	CA19982294061	19980618
CA2294061 C	20061017	CA19982294061	19980618
DE69822379 D1	20040422	DE19986022379	19980520
DE69822379 T2	20050217	DE19986022379T	19980520
DK0894738 T3	20040712	DK19980201689T	19980520
EP0894738 A1	19990203	EP19980201689	19980520
EP0894738 B1	20040317	EP19980201689	19980520
ES2152131 AA	20010116	ES19970001322	19970618
ES2152131 BA	20010816	ES19970001322	19970618
ES2217497 T3	20041101	ES19980201689T	19980520
JP2002504856 T2	20020212	JP19990503829T	19980618
JP3577322 B2	20041013	JP19990503829T	19980618
NO996294 A	20000217	NO19990006294	19991217
NO996294 A0	19991217	NO19990006294	19991217
NZ501789 A	20001222	NZ19980501789	19980618
PT894738 T	20040730	PT19980201689T	19980520
US6360655 BA	20020326	US19990445487	19991207
WO9857800 A1	19981223	WO1998ES00173	19980618

Priority:

ES19970001322 19970618 WO1998ES00173 19980618

Probable Assignee: JOSE FRANCISCO CRESPO BARRIO

Assignee(s): (std): BARRIO JOSE FRANCISCO CRESPO ; CRESPO BARRIO JOSE FRANCISCO ; JOSE FRANCISCO CRESPO BARRIO

Inventor(s): (std): BARRIO JOSE FRANCISCO CRESPO ; CRESPO BARRIO JOSE FRANCISCO ; JOSE FRANCISCO CRESPO BARRIO

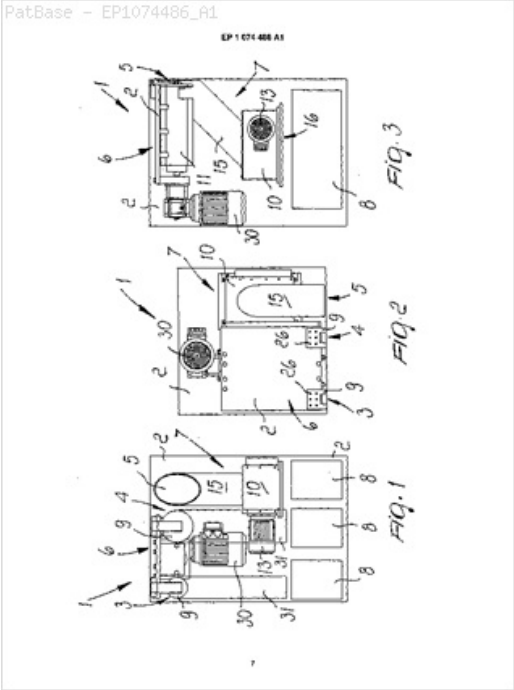
Agent(s): GRIFFITH HACK; MARKS AND CLERK

Designated states: AT AU BE BG BR CA CH CN CY CZ DE DK EE ES FI FR GB GR IE IL IT JP LI LU MC MX NL NO NZ PL PT RU SE SG SK TR UA US YU

Abstract: An electric domestic appliance (1) for differentiated waste disposal comprises a box-like structure (2) which has, on its front face, in an upward region, a first opening (3), a second opening (4) and a third opening (5) for differentiated introduction of waste, respectively waste made of material such as plastics, metal and glass, means (6) for compacting the plastic and metal waste which are supported inside the structure and are respectively connected to the first and second openings, means (7) for crushing the glass waste which are supported inside the structure and are laterally adjacent to the compaction means and are connected to the third opening, and at least one container (8) which is open in an upward region for collecting the crushed and compacted waste and is arranged inside the structure and below the compaction means.

Classifications:

International (IPC 8-9): B30B9/30 B30B9/32 B65F1/00 (Advanced/Invention); B30B9/00 B30B9/32 B65F1/00 (Core/Invention)
International (IPC 1-7): B30B9/30 B30B9/32 B65F1/00 B65F1/14
CPC: Y02W30/10 Y02W30/60 B30B9/3035 B30B9/3092 B30B9/321 B65F1/0033
European: B30B9/30C10 B30B9/30P B30B9/32B B65F1/00B



Family:

Publication number	Publication date	Application number	Application date
EP1074486 A1	20010207	EP20000116124	20000728
IT1310813 B1	20020222	IT1999MO00172	19990805
ITMO990172 A0	19990805	IT1999MO00172	19990805
ITMO990172 A1	20010205	IT1999MO00172	19990805

Priority:

IT1999MO00172 19990805

Probable Assignee: TURATTI CHRISTIAN

Assignee(s): (std): TURATTI CHRISTIAN

Inventor(s): (std): TURATTI CHRISTIAN

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

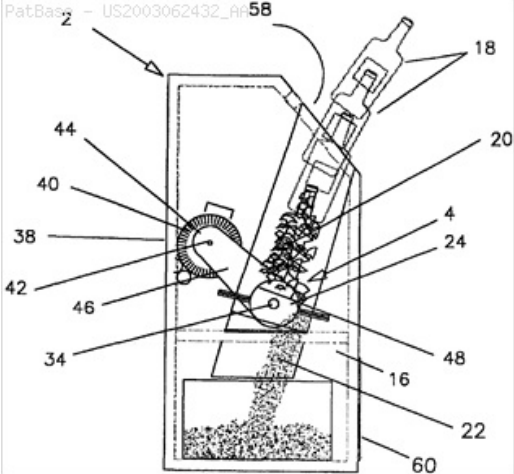
17) Family number: 28673566 (US2003062432A) © PatBase

Title: APPARATUS FOR CRUSHING GLASS OR CERAMIC MATERIAL

Abstract: Apparatus (2) for crushing glass or ceramic material, which apparatus (2) comprises a rotor (4), rotor blades (6) on the rotor (4), at least one stationary blade (8) which cooperates in use with the rotor blades (6) as the rotor (4) rotates, and a chamber (16) for receiving glass or ceramic material (18), the apparatus (2) being such that the rotor (4) is upstream of the chamber (16) for receiving the glass or ceramic material (18), the glass or ceramic material (18) is first broken into fragments (20) on impact with the rotor (4), the fragments (20) are reduced in size and formed into cullet (22) by passing through a gap (24) between the rotor blades (6) and the stationary blade (8), and the action of the rotor blades (6) and the stationary blade (8) causes the cullet (22) to be such that it will not cut, is safe for handling, and is suitable for further use without further processing.

Classifications:

International (IPC 8-9): B02C19/00 B02C19/14 (Advanced/Invention); B02C13/00 B02C19/00 (Core/Invention)
International (IPC 1-7): B02C19/00 B02C19/12 B02C19/14
CPC: Y02W30/60 B02C19/0087
European: B02C19/00W8G B02C19/14B
US: 241/1 241/100 241/152.2 241/167 241/79 241/80 241/99



Family:

Publication number	Publication date	Application number	Application date
AT406959 E	20080915	AT20010911989T	20010320
AU2001240907 AA	20011003	AU20010240907	20010320
AU200140907 A1	20011003	AU20010040907	20010320
AU200140907 A5	20011003	AU20010040907	20010320
CY1108658 T1	20140409	CY20081101389T	20081202
DE60135641 D1	20081016	DE20016035641	20010320
DK1268073 T3	20090119	DK20010911989T	20010320
EP1268073 A1	20030102	EP20010911989	20010320
EP1268073 B1	20080903	EP20010911989	20010320
ES2313948 T3	20090316	ES20010911989T	20010320
GB200006976 A0	20000510	GB20000006976	20000322
GB200029213 A0	20010117	GB20000029213	20001129
PT1268073 T	20081216	PT20010911989T	20010320
US2003062432 AA	20030403	US20020239337	20020920
US6988683 BB	20060124	US20010239337	20010320
WO0170408 A1	20010927	WO2001GB01216	20010320

Priority:

GB20000006976 20000322 GB20000029213 20001129 EP20010911989 20010320
WO2001GB01216 20010320

Probable Assignee: GLOBAL ENECO LTD

Assignee(s): (std): GLOBAL ENECO LIMITED ; GLOBAL ENECO LTD ; WHETTINGSTEEL STEPHEN

Inventor(s): (std): WHETTINGSTEEL STEPHEN

Inventor(s): STEPHEN WHETTINGSTEEL

Agent(s): JONES GRAHAM HENRY; IANDIORIO AND TESKA

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

18) Family number: 29508489 (EP1382550A1)

© PatBase

Title: DEVICE FOR SEPARATE COLLECTING OF SOLID URBAN REFUSE

Abstract: The device is composed of 5 forms, also independent, where the dampness, glass, paper, plastics and cans of the various dimensions are inserted according to the various commercial demands; on the inferior side five compartments are displaced where every material can separately be drawn out, compacted for being commercialized. Inside every form, a process of decomposition is established for titration and compression of every single disposed material.

Classifications:

International (ipc 8-9): B65F1/00 (Advanced/Invention);

B65F1/00 (Core/Invention)

International (ipc 1-7): B65F1/00

CPC: Y02W30/10 Y02W30/60 B65F1/0033

European: B65F1/00B

PatBase - EP1382550_A1



9

Family:

Publication number	Publication date	Application number	Application date
EP1382550 A1	20040121	EP20020425767	20021212
ITMC20020001 A1	20030702	IT2002MC00001	20020102

Priority:

IT2002MC00001 20020102

Probable Assignee: PIGLIAPOCO GIUSEPPE

Assignee(s): (std): PIGLIAPOCO GIUSEPPE

Inventor(s): (std): PIGLIAPOCO GIUSEPPE

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

19) Family number: 30091146 (WO03106062A1)

© PatBase

Title: MACHINE FOR PACKAGING A SHREDDED SUBSTANCE

Abstract: The invention concerns a packaging machine equipped with a container which itself includes a feeding opening for receiving a powdery substance. The container which comprises an orifice (50) designed at least to encase said substance, consists of two mobile parts (37). Said machine further comprises a marking member (77). It is optionally supplied by a shredder. The invention also concerns a method for encasing a substance using said machine. The invention is advantageously applicable to waste treatment.

Classifications:

International (IPC 8-9): B02C18/16 B02C18/18 B09B3/00

B29B17/00 B29B17/04 (Advanced/Invention);

B02C23/16 (Advanced/Non-invention);

B02C18/06 B09B3/00 B29B17/00 B29B17/04 (Core/Invention);

B02C23/00 (Core/Non-invention)

International (IPC 1-7): B02C18/40 B05C9/02 B05C9/12 B09B3/00

B29C41/30 B30B5/00 B30B9/28

CPC: Y02W30/521 Y02W30/62 Y02W30/625 B29B17/0412

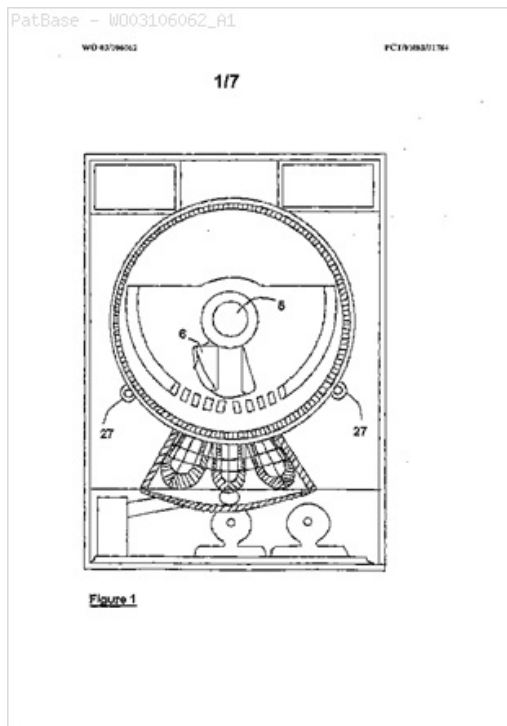
B02C18/0084 B02C18/16 B02C18/18 B02C2023/165 B09B3/0025

B29B17/0036 B29B2017/0476 B29L2031/54

European: B02C18/00W B02C18/16 B02C18/18 B02C18/40

B09B3/00D B29B17/00D2 B29B17/04D L02C23/16D L29B17/04Z11

L29L31/54



Family:

Publication number	Publication date	Application number	Application date
AU2003260589 AA	20031231	AU20030260589	20030613
CN1662312 A	20050831	CN20038013839	20030613
EP1549445 A1	20050706	EP20030760028	20030613
FR2840825 A1	20031219	FR20020007426	20020614
FR2840825 B1	20050603	FR20020007426	20020614
WO03106062 A1	20031224	WO2003FR01784	20030613

Priority:

FR20020007426 20020614 WO2003FR01784 20030613

Probable Assignee: JEAN CLAUDE JOLY

Assignee(s): (std): JEAN CLAUDE JOLY ; JOLY JEAN CLAUDE

Inventor(s): (std): JEAN CLAUDE JOLY ; JOLY JEAN CLAUDE

Agent(s): RENAUD GOUD CONSEIL

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

20) Family number: 32171044 (EP1564159B1)

© PatBase

Title: A UNIT FOR SEPARATELY COLLECTING URBAN WASTE

Abstract: A unit (1) for separately collecting urban waste (2) comprises a plurality of containers (3, 4, 5, 6, 7) each used to receive a different type of waste (2) and equipped with means (14) for compacting the waste (2) in order to reduce its volume. Each of the containers (3, 4, 5, 6, 7) also comprises means (24) for expelling the waste (2) through respective outlets (3c, 4c, 5c, 6c, 7c) made in the containers (3, 4, 5, 6, 7) after the waste (2) has been compacted by the compacting means (14). AEFigure 2ue

Classifications:

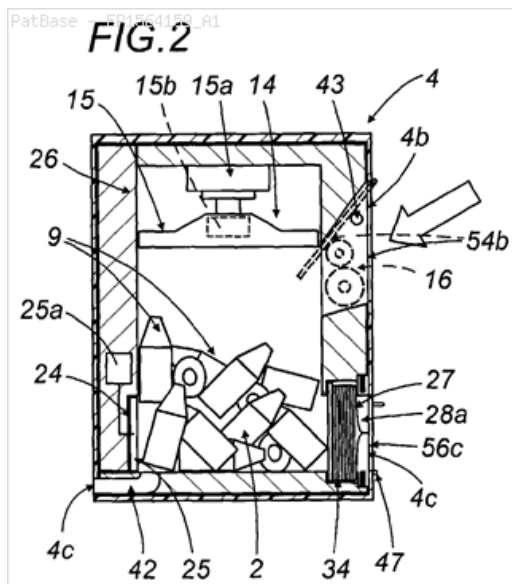
International (IPC 8-9): B65F1/00 B65F1/12 (Advanced/Invention);

B65F1/00 B65F1/12 (Core/Invention)

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

CPC: Y02W30/10 B65F1/0033 B65F1/12 B65F2210/162

European: B65F1/00B B65F1/12 L65F210/162



Family:

Publication number	Publication date	Application number	Application date
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DE602005006167 D1	20080605	DE200560006167T	20050217
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EP1564159 A1	20050817	EP20050425078	20050217
EP1564159 B1	20080423	EP20050425078	20050217
ES2306066 T3	20081101	ES20050425078T	20050217
ITBO20040075 A1	20040517	IT2004BO00075	20040217

Priority:

IT2004BO00075 20040217

Probable Assignee: AETNA GROUP SPA

Assignee(s): (std): AETNA GROUP SPA

Assignee(s): AETNA GROUP S P A ; AETNA GROUP S P A VILLA VERUCCHIO

Inventor(s): (std): CERE MAURO

Agent(s): LANZONI LUCIANO

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

21) Family number: 32731059 (FR2874517B)

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Title: Domestic waste converter producing fine homogeneous particles that are pre-sorted and stored for recycling

Abstract: The converter takes domestic and other waste and breaks it down into fine separate particles that are analysed by the comparison of spectrum or digital images and transferred into special compartments where they can be held without oxidation, putrefaction, fermentation or degradation until collected for recycling. The particles can be subjected to drying or dehydration to facilitate transmission through pipes, their storage and conservation in compartments, collection and transport.

Classifications:

International (IPC 8-9): B02C18/00 B03B9/06 (Advanced/Invention);

B02C18/00 B03B9/00 (Core/Invention)

CPC: B03B9/06 B09B3/00

European: B03B9/06 B09B3/00

Family:

Publication number	Publication date	Application number	Application date
FR2874517 A1	20060303	FR20040009250	20040901
FR2874517 B1	20070914	FR20040009250	20040901

Priority:

FR20040009250 20040901

Probable Assignee: FAUGLAS GILLES HERVE

Assignee(s): (std): FAUGLAS GILLES HERVE

Inventor(s): (std): FAUGLAS GILLES HERVE

22) Family number: 33430148 (EP1707345A1)

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Title: WASTE COMPACTING UNIT

Abstract: Waste compacting unit (1) comprising a compacting chamber (3) in which the waste (30) is put, such as bottles and containers of various type of glass, plastics or metal, for reducing its volume and assisting the disposal in public collecting centres. In particular, the waste is put in the chamber (3) through a first inlet (103a) or a second inlet (103b), according to the kind of material to treat, in order to provide a separate waste collection. In the compacting chamber (3) a compacting plate (2) is mounted sliding along a working direction (100) by a carriage (20). The compacting plate (2) divides

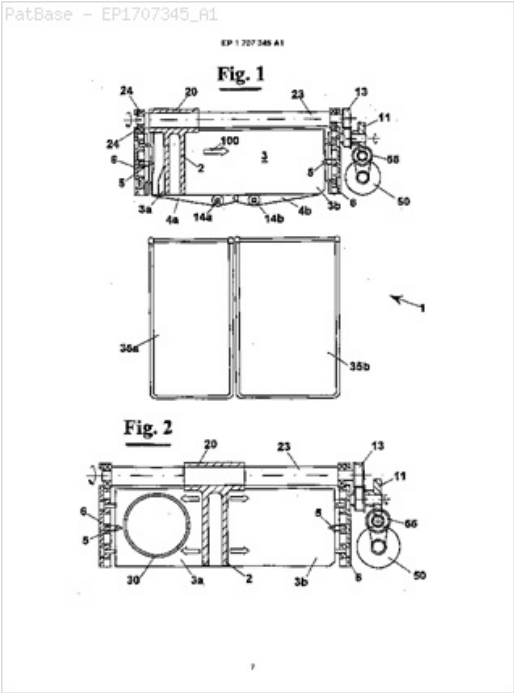
the compacting chamber (3) in two parts (3a and 3b), that are accessible when the machine is off for disposing the waste of, through respective inlets (103a) and (103b). Below each part (3a, 3b) of the chamber (3) a waste collecting bin (35a and 35b) is arranged suitable for receiving the compacted waste. To compact both the waste put in the first part (3a) of the chamber (3) and in the second part (3b) of the plate (2) can act along the above-described working direction (100) both in one direction (101) and in the opposite direction (102). This is allowed by a transmission mechanism for moving the carriage (20) and then a compacting plate (2).

Classifications:

International (IPC 8-9): B30B9/30 B30B9/32 (Advanced/Invention)

CPC: B30B9/3064 B30B9/321 B30B15/08

European: B30B15/08 B30B9/30G2 B30B9/32B



Family:

Publication number	Publication date	Application number	Application date
EP1707345 A1	20061004	EP20050013433	20050622
EP2368703 A1	20110928	EP20110171407	20050622
ITPI20050034 A1	20060930	IT2005PI00034	20050329

Priority:

IT2005PI00034 20050329 EP20050013433 20050622

Probable Assignee: ATOP SPA

Assignee(s): (std): ATOP SPA ; SANTANDREA MARCO

Assignee(s): ATOP S P A

Inventor(s): (std): LOMBARDI MASSIMO ; SANTANDREA MARCO

Agent(s): CELESTINO MARCO

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

23) Family number: 42458427 (US2010282885A) © PatBase

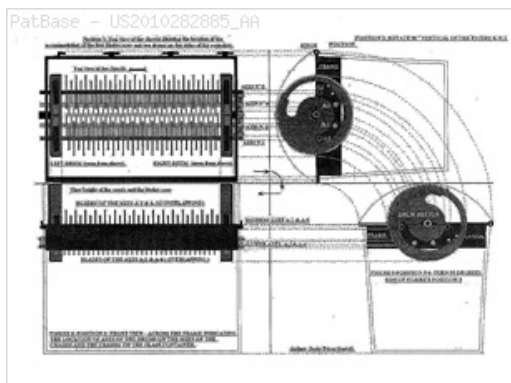
Title: GRINDING CONTAINER FOR THE SELECTIVE COLLECTION OF SOLID URBAN WASTE AND VARIOUS SPECIAL ADAPTATIONS FOR EACH TYPE OF WASTE, INCLUDING A DOMESTIC GRINDING CONTAINER

Abstract: This specialized domestic grinding containers system, the manual version of which is completely environmentally friendly, allows us to reduce the excessive amount of varied urban waste generated by daily consumption, using a system of piercing/crushing blades which are set transversely on their supporting shafts and which, when sufficiently locked together, enabling waste to be reduced to one-fifth of the initial volume thereof by specially arranging the shafts and using different types of blades and hammers for each type of waste (plastic, cans, tetra bricks, paper, glass, organic material and another combined blade system for reject waste). The system is essentially characterized in that the movement of the blades is produced by a particular system of gearwheels which, in the manual version, are actuated by opening the upper lid which, facilitated by a simple pedal which assists in opening said lid, actuates the lateral toothed cylinders located inside the container which in turn actuate the gearwheels located inside each of the lateral cylinders which, located at each of the ends of the four blade shafts thereof, rotate the shafts in a special manner in order to actuate a grinding function and to draw waste into the container, greatly reducing the volume thereof. The specialized manual and electric grinding containers and the different stationary and mobile embodiments intended for domestic use reduce the significant time and monetary costs involved in transporting said waste both from homes to containers on public roads and from such public containers to the respective recycling plants thereof. Waste recycling plays a role in preventing the transformation of more natural resources and reducing the abuse of more scarce natural resources and is facilitated through the use of these specific types of grinding containers having the aforementioned specialized blade systems. Thanks to the dual function comprising the lateral oblique torsion and elastic rotation of each blade independently of one another, said containers can help to achieve the recycling objectives imposed by Directive 2004/12/Econ the member states of the European Union, in its second transposition phase, and all that is needed is the will to grind waste (FIGS. 2.2 and 23).

Classifications:

International (IPC 8-9): B02C13/02 B02C13/26 B02C13/30 B02C18/00 B02C18/08 B02C18/14 B02C18/16 B02C18/24 B02C23/00 B65F1/00 B65F1/14 B65F1/16 (Advanced/Invention); B02C13/00 B02C18/00 B02C18/06 B65F1/00 B65F1/14 (Core/Invention); B02C B65F (Subclass/Invention)
International (IPC 1-7): B02C18/00
CPC: B02C18/16 B02C13/04 B02C18/142 B02C18/24 Y02W30/60 B65F1/14 B65F1/163 B02C18/0084 B65F2210/12 B65F2210/126 B65F2210/169 B02C18/00 B65F1/1473 B65F1/16 B65F2240/1123 B65F2240/1126 B65F2240/12 B65F2240/156 Y02W30/64

European: B02C18/00 B02C18/00W B02C23/00 B65F1/16D1 L65F210/120 L65F210/126 L65F210/169
US: 241/101.3 241/236 241/236P 241/282.1 241/282.100S
JP F-Term: 3E023 3E023/AA14 3E023/AA18 3E023/LA10 3E023/MA08 3E023/MB01 4D065 4D065/AA04 4D065/BB04 4D065/CA06 4D065/CA12 4D065/CC01 4D065/DD04 4D065/DD08 4D065/EB02 4D065/EB12 4D065/EB20 4D065/ED18 4D065/ED29 4D065/ED43
JP F-Index: B02C13/02/Z B02C13/26/Z B02C13/30 B02C18/14/B B02C18/14/Z B02C18/16/Z B02C18/24 B65F1/00/W B65F1/14/B



Family:

Publication number	Publication date	Application number	Application date
CA2685464 AA	20091027	CA20072685464	20071008
CA2685464 C	20130813	CA20072685464	20071008
CN102099119 A	20110615	CN200780053533	20071008
CO6241141 A2	20110120	CO20090135636	20091127
DE602007027362 D1	20130207	DE200760027362T	20071008
DK2143495 T3	20130325	DK20070823065T	20071008
EP2143495 A1	20100113	EP20070823065	20071008
EP2143495 A4	20101222	EP20070823065	20071008
EP2143495 B1	20121212	EP20070823065	20071008
ES2347740 AA	20101103	ES20070001259	20070427
ES2347740 BA	20110630	ES20070001259	20070427
ES2354146 T1	20110310	ES20070823065T	20071008
ES2354146 T3	20130221	ES20070823065T	20071008
IN06922DN2009 A	20100618	IN2009DN06922	20091028
JP2010524805 T2	20100722	JP20100504763T	20071008
PT2143495 T	20130129	PT20070823065T	20071008
RU2009140153 A	20110610	RU20090140153	20071008
RU2468868 C2	20121210	RU20090140153	20071008
US2010282885 AA	20101111	US20070597775	20070427
US2014097280 AA	20140410	US20130037508	20130926
WO08132253 A1	20081106	WO2007ES70171	20071008
ZA200908483 A	20100929	ZA20090008483	20091208

Priority:

ES20070001259 20070427 WO2007ES70171 20070427 EP20070823065 20071008
WO2007ES70171 20071008 US20100597775 20100326 US20130037508 20130926

Probable Assignee: JESUS PEREZ SANTAFE

Assignee(s): (std): JESUS PEREZ SANTAFE ; PERES SANTAFE KHESUS ; PEREZ SANTAFE JESUS ; SANTAFE JESUS PEREZ

Inventor(s): (std): JESUS PEREZ SANTAFE ; PERES SANTAFE KHESUS ; PEREZ SANTAFE JESUS ; SANTAFE JESUS PEREZ

Agent(s): TESSIER LOUIS; MARIBEL HERNANDEZ QUINTERO; MARK LEVY HINMAN HOWARD AND KATTELL LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

24) Family number: 42961489 (BG001130U)

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Title: ECOROBOT FOR WASTE PACKAGING

Abstract: The ecorobot finds application in home appliances. It has a simple and universal design. It represents a device consisting of a body (47) with inlet slots (74, 75, 76 and 77) for different materials, against the slots there being shaped reception zones (78, 79, 80 and 81). Above each zone there are arranged respective receiving teeth (7), which are fastened to a driven shaft (6) resting respectively on a left side beam (1) and a right side beam (2), both beams together with an upper beam (3) and a lower beam (4) forming a bearing frame fitted in the body (47). Movable partitions (34, 35 and 36) are mounted to openings (31, 32 and 33) in the upper beam (3), which define the reception zones. The movable partitions are mounted so as to allow a movably restraining beam (20) enter the reception zones. To the upper beam (3), respectively to each reception zone, there are mounted sensors (85, 86, 87 and 88) for input control and recognition of foreign elements and other materials, such sensors being coupled to a blocking mechanism (46), to an electronic storage device (89), and to a pay structure (9). To the lower beam (4) and horizontal beam (50) mounted in the body (47) there are attached horizontal consoles (10 and 11) with holes (14 and 15) bored therein, where an axle (16) is fixed that leads the movably restraining beam (20). The body (47) is supplied also with additional slots (92 and 93) for glass bottles and dry batteries, a chute (97) being provided against each of the slots. A hole (98) is made on the chute (97), inside which a sensor (100) is mounted to read volume and number.

Classifications:

International (IPC 8-9): G07F7/06 (Advanced/Invention);
G07F7/00 (Core/Invention)

Publication number	Publication date	Application number	Application date
BG001130 U1	20081128	BG20070001292U	20070322

BG20070001292U 20070322

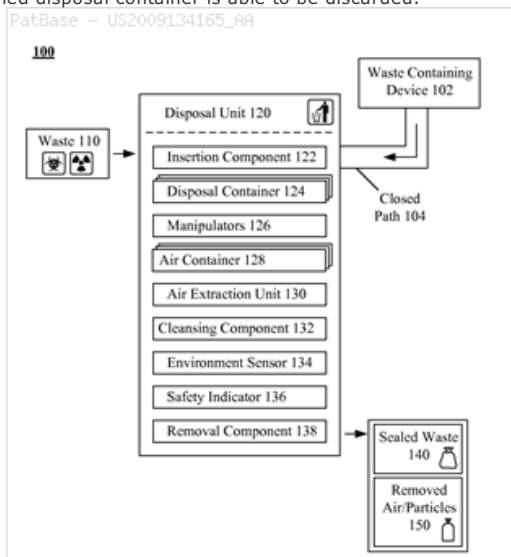
Inventor(s): (std): HALILOV BEYLYUL ; HALILOV DENIZ ; HALILOV YULMAZ

Abstract: The present invention discloses a solution for disposing waste having potentially hazardous airborne emissions. The solution can include a step of receiving waste through an aperture of a disposal unit exhibiting a closed environment. The received waste can be placed within an air tight disposal container. An opening of the disposal container can be sealed to separate the disposal container from the remainder of the substantially closed environment. Air included in the remainder of the substantially closed environment can be captured and placed in a holding unit. The captured air can be ejected from the holding unit into the air tight disposal container. The disposal container containing the received waste and the ejected air can be sealed. The disposal unit can be thereafter opened so that the sealed disposal container is able to be discarded.

International (ipc 8-9): A61L11/00 A61L9/16 A61L9/20 A61L9/22 B03B7/00 B08B15/02 B09B3/00 B09B5/00 B25J21/02 B65B25/00 B65B31/02 B65D43/12 B65F7/00 E02D31/00 (Advanced/Invention); B03B7/00 B65D43/02 E02D31/00 (Core/Invention)

European: B08B15/02 B08B15/02G B09B3/00M K61L209/110
K61L9/16 K61L9/20 K61L9/20P K61L9/22

US: 1/1 220/345.1 220/345.100P 241/29 241/29S 312/1 53/284.7
53/493 53/502 53/510 53/512 53/77 588/260 588/260P 588/900



Publication number	Publication date	Application number	Application date
US2009134165 AA	20090528	US20070946283	20071128
US2010234665 AA	20100916	US20100788002	20100526
US7854107 BB	20101221	US20070946283	20071128
US8316625 BB	20121127	US20100788002	20100526

Priority:

US20070946283 20071128 US20100788002 20100526 US20120685135 20121126

Probable Assignee: TOXICUM LLC**Assignee(s):** (std): SOTO LOUIS M**Assignee(s):** TOXICUM LLC**Inventor(s):** (std): SOTO LOUIS M**Agent(s):** PATENTS ON DEMAND PA GENERAL; PATENTS ON DEMAND PA; BRIAN K; SCOTT M**26) Family number: 44517724 (US2010058942A)**

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Title: DEVICE FOR COMPRESSING OF EMPTY DEFORMABLE CONTAINERS

Abstract: The invention relates to an apparatus for compressing empty containers, in particular of beverage bottles or beverage cans made out of plastic, in particular out of polyethylene terephthalate PET, or tin plate. The apparatus according to the present invention has a cutting and pressing unit as well as means for driving and for controlling the cutting and pressing unit, wherein the cutting and pressing unit contains at least two cooperating, oppositely rotating rollers disposed at a distance relative to each other with respect to their rotation axes, wherein each roller has several disks in each case disposed towards each other with an axial distance (free space). According to a special further development it is proposed that at least in the operating region of the two rollers there are disposed axially next to each other a first working region for a compressing of containers made out of plastic and a second working region for a compressing of containers made out of metal.

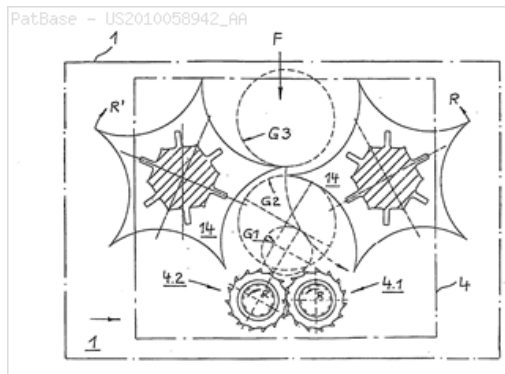
Classifications:**International (IPC 8-9):** B02C4/08 B30B3/00

B30B9/32 (Advanced/Invention);

B02C4/00 B30B3/00 B30B9/32 (Core/Invention)

CPC: B02C18/142 B02C19/0081 B30B9/325**European:** B30B9/32B4**US:** 100/176 100/902 100/98.00RP 100/98R 241/158 241/236

241/243 241/243S 241/99 241/99S

**Family:**

Publication number	Publication date	Application number	Application date
DE102008047319 A1	20100415	DE200810047319	20080911
EP2163375 A2	20100317	EP20090011506	20090909
EP2163375 A3	20131023	EP20090011506	20090909
US2010058942 AA	20100311	US20090584711	20090910
US8783173 BB	20140722	US20090584711	20090910

Priority:

DE200810047319 20080911

Probable Assignee: SCHWELLING HERMANN**Assignee(s):** (std): SCHWELLING HERMANN**Inventor(s):** (std): SCHWELLING HERMANN**Agent(s):** FUERST SIEGFRIED; HORST KASPER; HORST M**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 MT NL NO PL PT RO RS SE SI SK SM TR**27) Family number: 46866164 (US2012017781A)**

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Title: APPARATUS FOR COMPACTING AND DEHYDRATION OF ORGANIC WASTE

Abstract: An apparatus for compacting and dehydration of organic waste includes a first drawer, which is designed to receive organic material and/or kitchen-produced foodstuff waste and is equipped with mechanical elements for compacting and dehydration of the foodstuff waste, as well as a second drawer, underlying the first, which is designed to receive the compacted and dehydrated foodstuff waste that comes out of the first drawer.

Classifications:**International (IPC 8-9):** B02C18/00 B30B B30B3/00 B30B9/12

B30B9/30 B65F B65F1/00 B65F1/14 B65F7/00 (Advanced/Invention);

B02C18/00 B30B9/00 B65F1/14 (Core/Invention);

B30B B65F (Subclass/Invention)

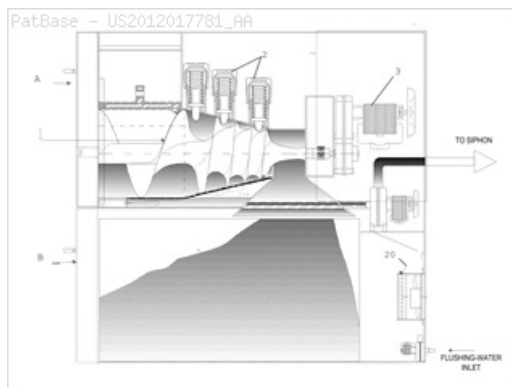
CPC: Y02W30/10 B30B9/122 B65F1/0033 B65F1/1426 B65F7/00

B65F2001/1489 B65F2210/116 B65F2210/132

European: B30B9/12C B65F1/00B B65F1/14D B65F7/00 L65F1/14L

L65F210/116 L65F210/132

US: 100/117 100/145 100/146 100/150



Family:

Publication number	Publication date	Application number	Application date
DE602010004715 D1	20130314	DE201060004715T	20100319
EP2408614 A1	20120125	EP20100717304	20100319
EP2408614 B1	20130116	EP20100717304	20100319
ES2404143 T3	20130524	ES20100717304T	20100319
HK1166476 A1	20131129	HK20120107177	20120723
HK1166476 A1	20121102	HK20120107177	20120723
HK1166476 B	20131129	HK20120107177	20120723
IT1393420 B1	20120420	IT2009RM00120	20090319
ITRM20090120 A1	20100920	IT2009RM00120	20090319
SG174438 A1	20111028	SG20110066941	20100319
US2012017781 AA	20120126	US20100257463	20100319
US8726803 BB	20140520	US20100257463	20100319
WO10106572 A1	20100923	WO2010IT00122	20100319

Priority:

IT2009RM00120 20090319 EP20100717304 20100319 WO2010IT00122 20100319

Probable Assignee: TECO SRL

Assignee(s): (std): CECCARELLI ; CECCARELLI STEFANO ; COSTANTINI PAOLO ; TECO SRL

Inventor(s): (std): CECCARELLI STEFANO ; COSTANTINI PAOLO

Agent(s): MEISSNER BOLTE AND PARTNER GBR; SARPI MAURIZIO; MORGADES JUAN ANTONIO; OLDHAM LI AND NIE SOLICITORS; YOUNG AND THOMPSON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT RO RS RU 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

28) Family number: 48501343 (ITPI20090052A)

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Title: UNITA DI COMPATTAZIONE DEI RIFIUTI

Classifications:

CPC: B30B9/3035 B30B9/3039 B30B9/321

European: B30B9/30C10 B30B9/30C11 B30B9/32B

Family:

Publication number	Publication date	Application number	Application date
IT1394091 B1	20120525	IT2009PI00052	20090504
ITPI20090052 A1	20101105	IT2009PI00052	20090504

Priority:

IT2009PI00052 20090504

Probable Assignee: LOMBARDI

Assignee(s): (std): ERMACORA ; ERMACORA FABIO ; LOMBARDI ; LOMBARDI ANTONIO

Inventor(s): (std): ERMACORA FABIO ; LOMBARDI ANTONIO

29) Family number: 48846401 (US2011101137A)

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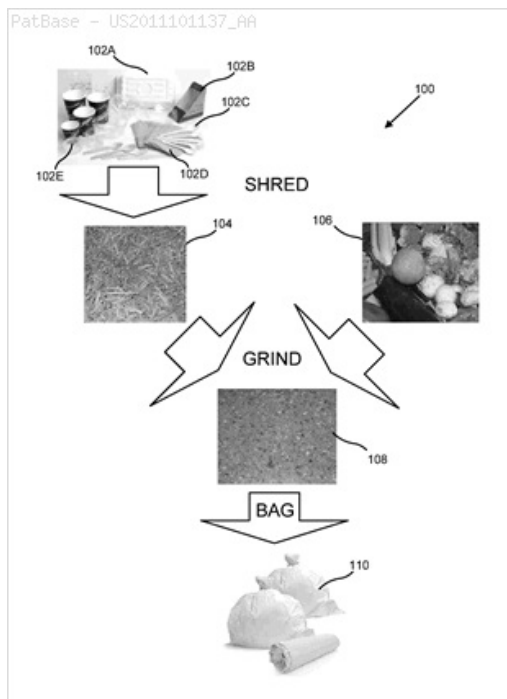
Title: APPARATUS, SYSTEM, AND METHOD FOR COMPOSTABLE WASTE PROCESSING

Abstract: An apparatus, system, and method to process compostable waste. The apparatus includes a shredding module, a grinding module, and a bagging module. The shredding module may operate to shred non-food compostable waste into shredded waste. The grinding module may operate to combine the shredded waste with food waste into combined waste, add water to the combined waste if an insufficient moisture condition exists for further processing, and grind the combined waste into particulate waste. The bagging module may operate to bag the particulate waste into a compostable bag.

Classifications:

International (IPC 8-9): B01D B01D35/00 B02C B02C18/00 B02C19/20 B02C21/00 B02C23/00 B09B B09B3/00 B09B5/00 B29B17/00 B29B17/04 B65B1/06 B65F B65F5/00 (Advanced/Invention);

B01D B02C B09B B65F (Subclass/Invention)
CPC: B02C18/0084 B02C21/00 C05F17/02 C05F17/00 B02C23/18
B02C18/2216 B02C2201/06 B30B9/04 B30B9/047 B30B9/3007
B30B9/3035 B30B9/3039 B30B9/3064 Y02W30/43 Y02P20/145
European: B02C23/00 B02C23/18 L02C201/06
US: 241/100 241/101.5 241/101.500S 241/152.2 241/25 241/25P
241/29
JP F-Term: 3E118 3E118/AA07 3E118/AB05 3E118/BA02
3E118/BA09 3E118/BB02 3E118/CA06 3E118/CA08 3E118/DA07
3E118/EA10 3E118/FA06 4D004 4D004/AA02 4D004/AA03
4D004/AA07 4D004/AA10 4D004/AA12 4D004/BA04 4D004/CA03
4D004/CA04 4D004/CA13 4D004/CA15 4D004/CB12 4D004/CB13
4D004/CB42 4D004/CB45 4D004/CB50 4D004/CC03 4D004/DA01
4D004/DA02 4D004/DA09 4D004/DA16 4D004/DA20 4F401
4F401/AA01 4F401/AA18 4F401/AA30 4F401/AC10 4F401/CA03
4F401/CA13 4F401/CA14 4F401/CB27 4F401/CB29 4F401/DC03
JP F-Index: B09B3/00/Z B09B5/00/E B09B5/00/P B09B5/00/Q
B09B5/00/Z B29B17/00 B29B17/04 B65B1/06
JP Facet: ZAB



Family:

Publication number	Publication date	Application number	Application date
AU2010315236 AA	20110512	AU20100315236	20101103
AU2010315236 BB	20161110	AU20100315236	20101103
CA2816629 AA	20130501	CA20102816629	20101103
CN102695566 A	20120926	CN201080060415	20101103
CN102695566 B	20141126	CN201080060415	20101103
EP2496369 A2	20120912	EP20100829037	20101103
EP2496369 A4	20150422	EP20100829037	20101103
HK1176908 A1	20150925	HK20130103701	20130325
HK1176908 A1	20130809	HK20130103701	20130325
HK1176908 B	20150925	HK20130103701	20130325
IN04829CN2012 A	20131018	IN2012CN04829	20120601
JP2013509994 T2	20130321	JP20120537972T	20101103
JP5789351 B2	20151007	JP20120537972T	20101103
US2011101137 AA	20110505	US20100939052	20101103
US8322640 BB	20121204	US20100939052	20101103
WO11056887 A2	20110512	WO2010US55318	20101103
WO11056887 A3	20110922	WO2010US55318	20101103

Priority:

US20090257610P 20091103 US20100939052 20101103 WO2010US55318 20101103

Probable Assignee: ODY LANGSTON

Assignee(s): (std): JODY LANGSTON ; LANGSTON JODY ; ODY LANGSTON

Inventor(s): (std): JODY LANGSTON ; JODY LANGSTON J ; LANGSTON JODY

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OSLER HOSKIN AND HARCOURT LLP; COOPER JOHN; ORIENTAL INTELLECTUAL PROPERTY SERVICES CO; KUNZLER LAW GROUP PC; KUNZLER BRIAN C ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT RO RS RU 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

30) Family number: 49250105 (US2011174170A)

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Title: INTEGRATED VEHICLE GALLEY TRASH COMPACTOR

Abstract: A space-saving in-flight trash compactor, comprising a trash chute, a compactor mechanism disposed above a level of the trash chute, and a storage chamber removably positioned below the compactor mechanism and below a level of the trash chute. The storage chamber is vertically aligned with the compactor mechanism. The trash chute is configured to channel trash disposed through an opening of the trash chute at a level of a counter top and above a level of a top of the storage chamber into an opening of the storage chamber at the top of the storage chamber. The opening of the trash chute may be horizontally offset from the vertical alignment of the storage chamber and compactor mechanism.

Classifications:

International (IPC 8-9): A47B77/08 B30B1/32 B30B13/00
B30B15/00 B30B15/16 B30B15/30 B30B9/30 B64D11/04 B65F1/10
B65F1/14 (Advanced/Invention);
A47B77/08 (Advanced/Non-invention)

CPC: B30B9/3057 B30B15/16 B30B9/3007 B30B9/3032 A47B77/08
B30B9/3075 B65F1/10 B65F1/1405 B65F1/141 B65F1/1431

European: B30B9/30C2 B30B9/30C9 B30B9/30H

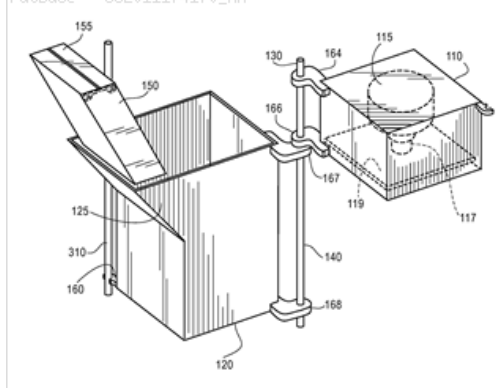
US: 100/215 100/229R 100/245 100/245S 100/35 100/35P 100/45

100/50

JP F-Term: 3D140 3E023 3E023/AA12 3E023/AA14 3E023/HA05 3E023/LA01

JP F-Index: B64D11/04 B65F1/10

PatBase - US2011174170_AA



Family:

Publication number	Publication date	Application number	Application date
AU2011207180 AA	20110728	AU20110207180	20110120
AU2011207180 BB	20140227	AU20110207180	20110120
CA2787752 AA	20120720	CA20112787752	20110120
CA2787752 C	20141202	CA20112787752	20110120
DE602011013162 D1	20150305	DE201160013162T	20110120
EP2525966 A1	20121128	EP20110735156	20110120
EP2525966 A4	20130724	EP20110735156	20110120
EP2525966 B1	20150114	EP20110735156	20110120
JP2013518011 T2	20130520	JP20120550100T	20110120
JP5546648 B2	20140709	JP20120550100T	20110120
US2011174170 AA	20110721	US20110009998	20110120
US2014230669 AA	20140821	US20140262496	20140425
US8707864 BB	20140429	US20110009998	20110120
US9950488 BB	20180424	US20140262496	20140425
WO11091105 A1	20110728	WO2011US21806	20110120

Priority:

US20100297162P 20100121 EP20110735156 20110120 WO2011US21806 20110120
US20110009998 20110120 US20140262496 20140425

Probable Assignee: B E AEROSPACE INC

Assignee(s): (std): B E AEROSPACE INC ; BE AEROSPACE INC ; FRITZ ROBERT J ; ZIMMERMAN MICHAEL T JR ; REZNER MARK P ; ZIMMERMAN JR MICHAEL T

Assignee(s): JPMORGAN CHASE BANK NA ; ZIMMERMAN MICHAEL T ; B E AEROSPACE INC WELLINGTON ; B E AEROSPACE INC1400 CORPORATE CENTER WAYWELLINGTONFL33414US

Inventor(s): (std): FRITZ ROBERT J ; REZNER MARK P ; ZIMMERMAN JR MICHAEL T ; ZIMMERMAN MICHAEL T JR

Inventor(s): ZIMMERMAN MICHAEL T JRUS ; ZIMMERMAN JR ; ZIMMERMAN MICHAEL T ; REZNER MARK PUS ; FRITZ ROBERT JUS

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; BORDEN LADNER GERVAIS LLP; PATENT U RECHTSANWAELTE DIEHL AND PARTNER GBR; MARLES ALAN DAVID; DRINKER BIDDLE AND REATH LLP; DONNA P; BERGNER MARK ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT RO RS RU 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

31) Family number: 50662704 (WO12025295A2)

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Title: METHOD FOR DISPOSING OF STERILE PACKAGING MATERIAL AND CORRESPONDING DEVICE

Abstract: The invention relates to a method for disposing of packaging material of a sterile package (2), wherein the sterile packaging is opened in a clean room, comprising the steps of: removing packaging material of the sterile packaging and compressing the packaging material to form a waste pellet in the clean room. The invention further relates to a device for handling packaging waste.

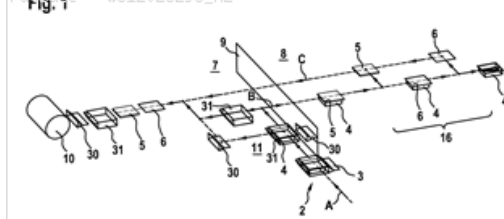
Classifications:

International (IPC 8-9): B30B9/30 B65B69/00 B65F1/14 (Advanced/Invention)

CPC: B65B69/0008 B30B9/301 B65B3/003 B65B69/0033

European: B30B9/30C3 B65B69/00A B65B69/00C

PatBase - W012025295_A2



Family:

Publication number	Publication date	Application number	Application date
CN103068683 A	20130424	CN201180040321	20110714
CN103068683 B	20151209	CN201180040321	20110714
DE102010039635 A1	20120223	DE201010039635	20100823
DE502011008477 D1	20160121	DE201150008477T	20110714

EP2609015 A2	20130703	EP20110735841	20110714
EP2609015 B1	20151209	EP20110735841	20110714
WO12025295 A2	20120301	WO2011EP62024	20110714
WO12025295 A3	20120518	WO2011EP62024	20110714

Priority:

DE201010039635 20100823 EP20110735841 20110714 WO2011EP62024 20110714

Probable Assignee: BOSCH GMBH ROBERT

Assignee(s): (std): BOSCH GMBH ROBERT ; GOETZ SIEGFRIED ; LEIDIG JUERGEN ; MUGELE TOBIAS ; WOLL AXEL

Assignee(s): ROBERT BOSCH GMBH

Inventor(s): (std): WOLL AXEL ; GOETZ SIEGFRIED ; LEIDIG JUERGEN ; MUGELE TOBIAS

Agent(s): ROBERT BOSCH GMBH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT RO RS RU 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

32) Family number: 52002941 (CN102688855A)

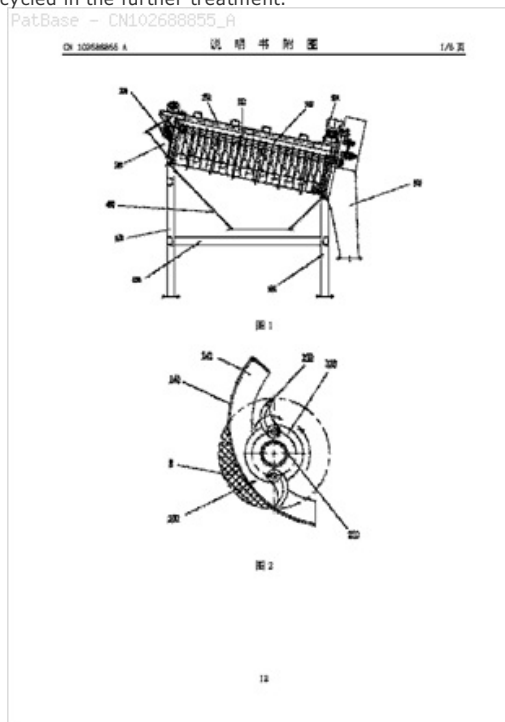
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Title: PENDULUM HARROW DEVICE, SORTING MECHANISM AND SORTING MACHINE

Abstract: The invention discloses a pendulum harrow device, and a sorting mechanism and a sorting machine which comprise the pendulum harrow device; the pendulum harrow device (320) comprises a pendulum harrow shaft (321) and a pendulum harrow arranged on the pendulum harrow shaft (321); the pendulum harrow device (320) also comprises a spray unit which comprises a conduit (328) and a spray head (329) communicated with the conduit (328); the pendulum harrow shaft (321) is provided with a hollow part (321 a), and a conduit inserting hole (321 b) and a spray hole (321 c) which are communicated with the hollow part (321 a); the conduit (328) extends into the hollow part (321 a) from the conduit inserting hole (321 b); and the spray head (329) extends outside from the spray hole (321 c). The hot water is sprayed onto materials through the spray unit, so that the adhered useful materials are washed down from thick materials and then is discharged along with thin materials, and the adhered useful materials can be recycled in the further treatment.

Classifications:

International (IPC 8-9): B02C18/06 B02C18/18 B07B1/24 B07B1/46 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN102688855 A	20120926	CN201210195712	20120614
CN102688855 B	20140611	CN201210195712	20120614
CN202606397 U	20121219	CN201220279860U	20120614

Priority:

CN201210195712 20120614 CN201220279860U 20120614

Probable Assignee: CHANGSHA ZOOMLION HEAVY IND

Assignee(s): (std): CHANGSHA ZOOMLION ENVIRONMENTAL AND SANITATION MACHINERY CO LTD ; CHANGSHA ZOOMLION HEAVY IND

Assignee(s): CHANGSHA ZOOMLION HEAVY IND SCIENCE AND TECHNOLOGY DEVELOPMENT CO ; CHANGSHA ZOOMLION HEAVY INDUSTRY SCIENCE AND TECHNOLOGY DEVELOPMENT CO LTD

Inventor(s): (std): CHUNLIANG SHU ; JIAN WANG ; PENG QING ; QING PENG ; SHU CHUNLIANG ; WANG JIAN

33) Family number: 52003394 (CN102688849A)

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Title: SORTING MACHINE AND SORTING MECHANISM THEREOF

Abstract: The invention discloses a sorting machine and a sorting mechanism of the sorting machine. The sorting mechanism (300) comprises a sorting plate (310), wherein the sorting plate (310) comprises two sorting plate parts (311) which are arranged along with the length direction of the sorting plate (310) in parallel and are communicated with each other. The sorting plate comprises the two sorting plate parts, so that the flow distance of materials can be enlarged, the even flow of the materials can be preferably carried out, and the paving area can be increased, therefore, the materials can be sufficiently screened, and the sorting efficiency can be improved. Furthermore, the materials are distributed in the two sorting plate parts, so that the accumulation depth of the materials in the sorting plate can be reduced.

Classifications:

International (IPC 8-9): B07B1/24 B07B1/42
B07B1/46 (Advanced/Invention)

PatBase - CN102688849_A

CN 102688849 A 说明书附图 1/6 页

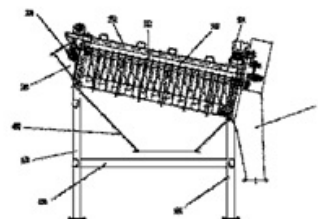


图 1

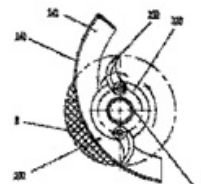


图 2

18

Family:

Publication number	Publication date	Application number	Application date
CN102688849 A	20120926	CN201210195816	20120614
CN102688849 B	20150617	CN201210195816	20120614
CN202591106 U	20121212	CN201220280900U	20120614

Priority:

CN201210195816 20120614 CN201220280900U 20120614

Probable Assignee: CHANGSHA ZOOMLION HEAVY IND

Assignee(s): (std): CHANGSHA ZOOMLION ENVIRONMENTAL AND SANITATION MACHINERY CO LTD ; CHANGSHA ZOOMLION HEAVY IND

Assignee(s): CHANGSHA ZOOMLION HEAVY IND SCIENCE AND TECHNOLOGY DEVELOPMENT CO ; CHANGSHA ZOOMLION HEAVY INDUSTRY SCIENCE AND TECHNOLOGY DEVELOPMENT CO LTD

Inventor(s): (std): CHUNLIANG SHU ; JIAN WANG ; PENG QING ; QING PENG ; SHU CHUNLIANG ; WANG JIAN

34) Family number: 55052214 (ITBS20120071A)

© PatBase

Title: DISPOSITIVO PER LA COMPATTAZIONE DI RIFIUTI SOLIDI, E RULLO COMPATTATORE DEVICE FOR COMPACTION OF SOLID WASTE AND ROLLER COMPACTOR (Machine translation)

Classifications:

CPC: B02C 18/0084 B02C 18/145 B02C 18/24 B30B9/325

Family:

Publication number	Publication date	Application number	Application date
ITBS20120071 A1	20131025	IT2012BS00071	20120424

Priority:

IT2012BS00071 20120424

Probable Assignee: LOZZA MATTEO

Assignee(s): (std): LOZZA MATTEO

Inventor(s): (std): LOZZA MATTEO

35) Family number: 56480250 (ITPI20120113A)

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Title: DISPOSITIVO PER LA TRITURAZIONE E LA COMPATTAZIONE DI RIFIUTI, IN PARTICOLARE PER USO DOMESTICO. DEVICE FOR GRINDING AND COMPACTION OF WASTE IN PARTICULAR FOR DOMESTIC USE. (Machine translation)

Classifications:

CPC: B02C7/12 B09B3/0025 B02C7/06 B09B3/00

Family:

Publication number	Publication date	Application number	Application date
ITPI20120113 A1	20140521	IT2012PI00113	20121120

Priority:

IT2012PI00113 20121120

Probable Assignee:

DI NARDO FRANCO

Assignee(s): (std):

DI NARDO FRANCO

Inventor(s): (std):

DI NARDO FRANCO

36) Family number: 58644237 (WO16046445A1)

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Title: EQUIPMENT FOR THE SEPARATION AND TREATMENT OF HOUSEHOLD WASTE

Abstract: The invention comprises a surrounding frame wherein four modules are fixed: a first module for glass waste, a second module for plastic and metal waste, a third module for paper/cardboard waste, and a fourth module for organic waste. The modules respectively comprise devices for reducing the volume of the waste, such that once the volume of the waste has been reduced, the waste is deposited by gravity in independent containers arranged in the lower part of the surrounding casing, below the devices, which operate by means of a single electric motor.

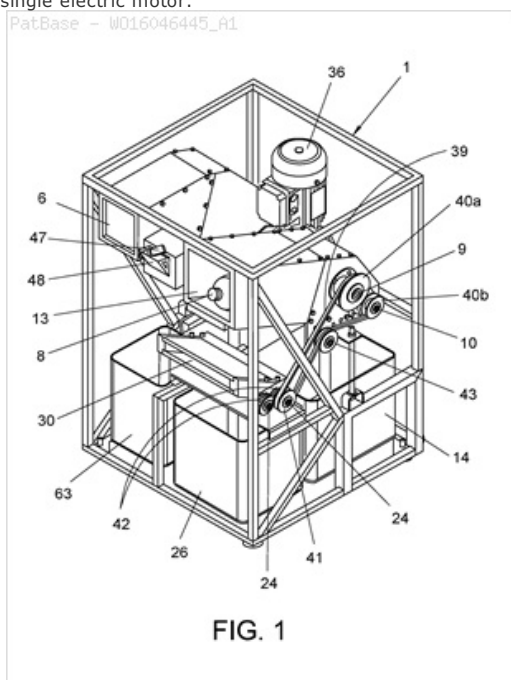
Classifications:

International (IPC 8-9): B02C18/00 B02C18/24 B02C19/00 B03B9/06 B03B9/32 B65F1/00 B65F1/14 (Advanced/Invention)

CPC: B65F1/0033 B02C18/0084 B02C18/24 B02C19/0081

B65F1/1405 Y02W30/10 Y02W30/60 B65F1/14 B03B9/06

B65F2210/12 B65F2210/167 B65F2210/169 B03B9/32

**Family:**

Publication number	Publication date	Application number	Application date
EP3231735 A1	20171018	EP20150844858	20150924
EP3231735 A4	20181024	EP20150844858	20150924
ES2530761 AA	20150305	ES20140031412	20140926
ES2530761 BA	20160722	ES20140031412	20140926
WO16046445 A1	20160331	WO2015ES70699	20150924

Priority:

ES20140031412 20140926

WO2015ES70699 20150924

Probable Assignee: DISENO Y CONSTRUCCION DE MAQUINARIA AUTOMATIZADA S L

Assignee(s): (std): DISENO Y CONSTRUCCION DE MAQUINARIA AUTOMATIZADA S L ; DISENO Y CONSTRUCCION DE MAQUINARIA AUTOMATIZADA S L

Assignee(s): DISENO Y CONSTRUCCION DE MAQUINARIA AUTOMATIZADA SL

Inventor(s): (std): TOBIAS GRANADO JOSE ANTONIO

Inventor(s): JOSE ANTONIO TOBIAS GRANADO

Agent(s): ISERN JARA NURIA; UNGRIA JAVIER; UNGRIA LOPEZ JAVIER

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 IR IS IT JP KE KG KM KN KP KR 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

37) Family number: 63710711 (US2016288996A)

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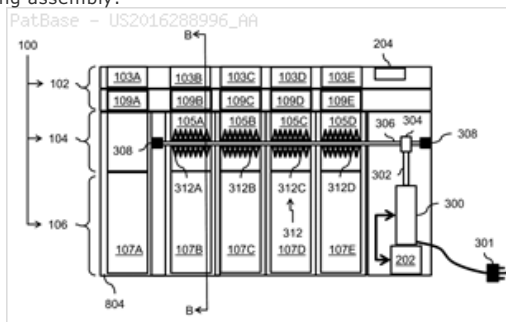
Title: RECYCLING APPLIANCE

Abstract: A recycling appliance is for processing non-organic recyclable materials and organic materials. The recycling appliance includes a non-organic processing assembly configured to receive, process and store the non-organic recyclable materials. An organic processing assembly is spaced apart from the non-organic processing assembly. The organic processing assembly is configured to receive, process and store the organic materials. A housing assembly is configured to

Classifications:

US: 53/512

JP F-Index: B02C18/06/Z B09B3/00/301/W B09B3/00/301/Z B09B3/00/303/Z B09B3/00/ZAB/Z B29B17/04



Publication number	Publication date	Application number	Application date
CA2981541 AA	20171002	CA20162981541	20160401
CN107530746 A	20180102	CN201680026590	20160401
EP3277443 A1	20180207	EP20160771150	20160401
JP2018511471 T2	20180426	JP20170552095T	20160401
KR20170133452 A	20171205	KR20177031551	20160401
US2016288996 AA	20161006	US20150675802	20150401
US9821316 BB	20171121	US20150675802	20150401
WO16154760 A1	20161006	WO2016CA50382	20160401

US20150675802 20150401 WO2016CA50382 20160401

Assignee(s): (std): ARSOVIC MILORAD

Agent(s): OKIMAW RICHARD D; OSLO PATENTKONTOR AS; ASAMURA PATENT OFFICE PC; OKIMAW RICHARD

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 IR IS IT JP KE KG KM KN KP KR 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 UY UZ VC VN ZA ZW ZW