

Search history

Search 1: SFT=((pet or animal) and collector and excrement and blade) (Results 93)

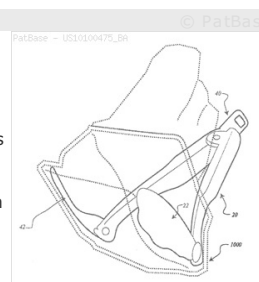
1) Family number: 71514369 (US10100475B)

ANIMAL DEFECATION COLLECTION APPARATUS

Abstract: Source: US10100475B An apparatus for the collection of animal feces utilizing two oppositely disposed arms which are used to sweep and collect feces and allow a user to more easily collect feces into a standard sized collection bag without touching the feces or feeling the texture of the feces through a bag. The apparatus further has either a sweeper or a dust pan at a distal location of the arms to perform the function of collecting the feces when the apparatus arms are squeezed together. During non use, the animal defecation collection apparatus has a collapsible sweeper blade and collapsible dust pan blade that fold and allow the apparatus to be more compact when stored. Further, there is a locking mechanism to allow the arms to be retained together to be more compact during storage.

Probable Assignee: LUNA JOSE ANTONIO

Earliest Publication Date: 20181016



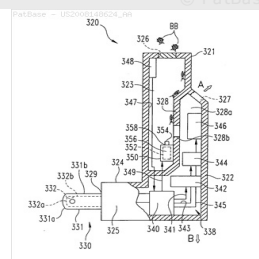
2) Family number: 41774837 (US2008148624A)

BEDBUG DETECTION, MONITORING AND CONTROL TECHNIQUES

Abstract: Source: US2008148624A One nonlimiting variation of a detection arrangement includes one or more sensors each structured to detect at least one biochemical substance indicative of biochemistry of one or more target insect species and provide a corresponding sensor signal, a controller responsive to the sensor signal of each of the one or more sensors to determine if the one or more insect species are present and generate a corresponding output signal, and an indicator responsive to the output signal to indicate the presence of the one or more insect species.

Probable Assignee: DOW AGROSCIENCES LLC

Earliest Publication Date: 20080502



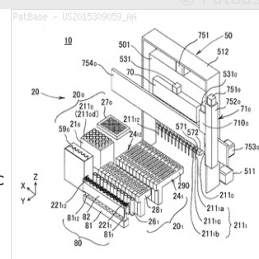
3) Family number: 56488751 (US2015309059A)

LINEAR MOVEMENT TYPE REACTION TREATMENT APPARATUS AND METHOD THEREOF

Abstract: Source: US2015309059A The invention relates to a linear movement type reaction treatment apparatus and a method thereof, and an object thereof is to reliably prevent cross-contamination and to decrease a working time or a working space involved with reaction treatment. A linear movement type reaction treatment apparatus includes: a container group in which one or two or more reaction containers and two or more liquid storage portions are arranged in at least one linear shape; a dispensing head to which one or two or more dispensing tips are detachably attached and which is relatively movable between the dispensing tip and the container group; a magnetic portion which is capable of separating magnetic particles contained in a solution inside each dispensing tip; and an ultrasonic vibration device which applies an ultrasonic vibration to a sample storage portion, as sample storage portion at least one of the liquid storage portions are selected.

Probable Assignee: UNIVERSAL BIO RESEARCH CO LTD

Earliest Publication Date: 20140522



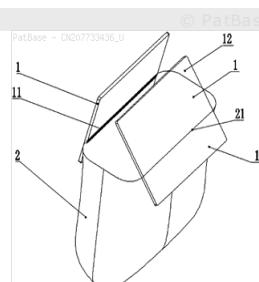
4) Family number: 70814764 (CN207733436U)

DISPOSABLE PET EXCREMENT COLLECTOR (MACHINE TRANSLATION)

Abstract: Source: CN207733436U The utility model discloses a pet excrement collector, the pet excrement collector includes an opening and the opening of the collecting bag collection bag for holding two plows, each of the two blade side are respectively with said opening collection bag edge-connected, and the two plows, respectively, can rotate around said opening collection bag, while the rotation so that the two blade one end touch, touch the rear two blade from the original opening outside the collecting bag collection bag to the interior opening, thereby completing the pet excrement shovel into the opening collection bag. The utility model has a simple structure, low cost, simple process, convenient health, lightweight and easy to carry.

Probable Assignee: BALKHAM TAN

Earliest Publication Date: 20180817



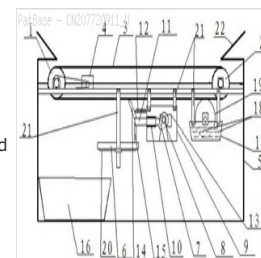
5) Family number: 70775917 (CN207720911U)

AUTOMATIC PET EXCREMENT COLLECTOR (MACHINE TRANSLATION)

Abstract: Source: CN207720911U An automatic pet waste collector, comprising driving wheel, driven wheel, the annular belt, drive motor, a rack body, feces drying plate, cam means and blade, driving wheel, driven wheel via a bearing, respectively, arranged in the frame of the left and right sides, the endless conveyor belt The left and right ends respectively by a driving wheel, a driven wheel, the drive motor driving the drive wheel and the driven wheel is rotated, so that the endless conveyor belt, feces drying plate mounted on the frame body, is located below the endless conveyor belt, feces drying plate capable of drying plate heating heater; Cam device mounted on located below the endless conveyor belt, feces drying plate right side of the frame body, and the cam means to connect and push the blade along the left and right direction of the frame body, in the feces drying plate surface area corresponding to the right side of the lower side of the outer surface of the endless conveyor belt to reciprocate, cam device connects and pushes the push plate located below the blade in the feces drying plate surface area on the right, and doctor blade reciprocates in synchronization.

Probable Assignee: LICENSE WHERE CIS

Earliest Publication Date: 20180814



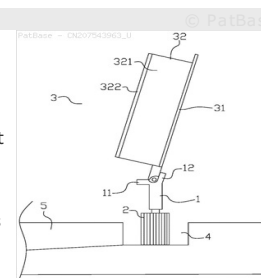
6) Family number: 70294732 (CN207543963U)

A FAECES COLLECTOR FOR BREEDING HOUSE

Abstract: Source: CN207543963U The utility model discloses a faeces collector for breeding house belongs to domestic animal poultry farming technology field, includes: a rotatable supporting rod sets up in a culture area's middle part, a motor, set up in rotatable supporting rod's bottom drives rotatable supporting rod rotates, excrement and urine cleaning scraper blade, including a connecting rod with set up in scraper blade on the connecting rod, the one end of connecting rod articulate in rotatable supporting rod's upper end is in the state that cleans lower time, settings of keeping flat of excrement and urine cleaningscraper blade, at recovery state lower time, the setting is placed vertically to excrement and urine cleaning scraper blade, a storage tank, set up in rotatable supporting rod's below, one album of excrement slot, set up in on the region is swept to the scraping of excrement and urine cleaning scraper blade, and one end with the storage tank is linked together, and the other end is linked togetherwith the defection collecting container. This faeces collector is used for the defection collecting of poultry and livestock's breed house, and its convenient operation, treatment effect are good topartial manpower cost and hydropower resources have been practiced thrift.

Probable Assignee: FUQING SHENGHUA MODERN AGRICULTURAL FARMERS PROFESSIONAL COOP

Earliest Publication Date: 20180629



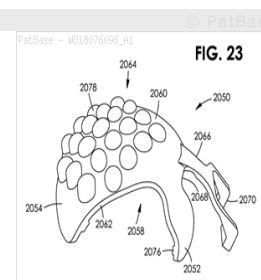
7) Family number: 69562977 (WO18076096A1)

ACCESSORY FOR A BALL THROWER AND A COMBINATION BALL THROWER AND ACCESSORY

Abstract: A ball thrower accessory for use with a ball thrower is provided, the ball thrower accessory comprising a concave, flexible cap including: an inner surface; an outer surface, at least a portion of the outer surface retaining or including a plurality of structures extending outward therefrom; and a margin therebetween, the margin shaped to provide two proximal leaves defining a central invagination, two side leaves and a distal leaf. A combination of a ball thrower and the accessory is also provided.

Probable Assignee: BIG TOE INNOVATIONS INC

Earliest Publication Date: 20180428



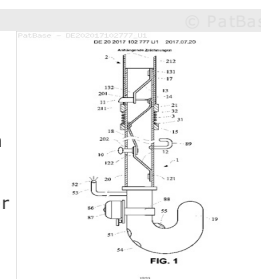
8) Family number: 66400064 (DE202017102777U1)

VORRICHTUNG ZUM AUFFANGEN VON TIERAUSSCHIEDUNGEN DEVICE FOR TRAPPING ANIMAL EXCREMENT (MACHINE TRANSLATION)

Abstract: Source: DE202017102777U1 Vorrichtung zum Auffangen von Tierausscheidungen, aufweisend: einen Bedienungsstab (1), der einen Griffabschnitt (19) und einen Endabschnitt (17) besitzt, wobei ein Druckknopf (10) im Bereich des Griffabschnitts (19) federbeaufschlagt ist und teilweise ueber den Bedienungsstab (1) hinausragt, und wobei ein Raststift (11) im Bereich des Endabschnitts (17) federbeaufschlagt ist und teilweise ueber den Bedienungsstab (1) hinausragt, und wobei, wenn der Druckknopf (10) durch eine aeussere Kraft gedruickt wird, der Raststift (11) ueber ein Mitnehmerelement ins Innere des Bedienungsstabs (1) eingefahren wird, einen Auffangbeutel (2), der einen Taschenkoerper (23) und einen an einer Tascheneoffnung angeordneten Ringrahmen (22) aufweist, wobei der Ringrahmen (22) eine vorstehende Steckbuchse (21) besitzt, die eine Einsteckoeffnung (212) aufweist, in die der Endabschnitt (17) des Bedienungsstabs (1) einfuehrbar ist, und wobei die Einsteckoeffnung (212) seitlich mit einem Stiftdloch (211) versehen ist, in das der Raststift (11) eingreift, wodurch der Auffangbeutel (2) mit dem Bedienungsstab (1) verbunden ist, und ein Federelement (3), das ein am Bedienungsstab (1) befestigten Befestigungsende (31) und ein frei bewegliches, freies Ende (32) aufweist, wobei das freie Ende (32) von der vorstehenden Steckbuchse (21) so geschoben werden kann, dass das Federelement (3) vorgespannt ist, und wobei das Federelement (3) entspannt wird, wenn der Raststift (11) ins Innere des Bedienungsstabs (1) faehrt und aus dem Stiftdloch (211) herauswandert, wodurch der Auffangbeutel (2) aus dem Bedienungsstab (1) herausgedruickt wird. Device for catching animal excretion: a control rod (1) Having a handle section (19) and a end section (17), wherein a push button (10) is spring-loaded in the area of the handle section (19) and protrudes partially beyond the operating rod (1), and wherein a Raststift (11) in the area of the end section (17) spring-loaded and partially protrudes beyond the operating rod (1), and when the push button (10) is pushed by a external force, the Raststift (11) is retracted to the inside of the operating rod (1) via a driving element, a collecting bag (2), which has a Taschenkoerper (23) and a ring frame arranged on a Tascheneoffnung (22), wherein the ring FRAME (22) has a protruding female connector (21), which has a Einsteckoeffnung (212), in which the end section (17) of the operating rod (1), and wherein the Einsteckoeffnung (212) is provided at the side with a PIN (211) In which the Raststift (11) intervenes, whereby the collecting bag (2) is connected to the operating rod (1), and a spring element (3), the fixing end attached to the operating rod (1) and a freely movable, free end (32), wherein the free end (32) of the protruding socket (21) can be pushed so that the spring element (3) is biased, and wherein the spring element (3) is relaxed When the Raststift (11) is runs into the inside of the operating rod (1) and is moved out of the PIN (211), whereby the collecting bag (2) is herausgedruickt from the operating rod (1).

Probable Assignee: LO YU LIN

Earliest Publication Date: 20170720



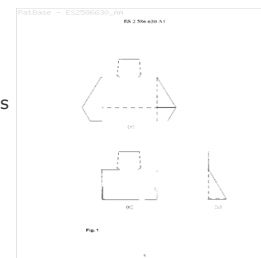
9) Family number: 63814758 (ES2586630B)

RECOGEDOR DE DEPOSICIONES

Abstract: Source: ES2586630B La invencion del recogedor de deposiciones de animales esta disenada para recoger los excrementos de las mascotas. Con este recogedor se eliminara la sensacion desagradable que tienen algunas personas al recoger manualmente los excrementos mediante bolsas, papel o protecciones similares con la mano. #Con el recogedor de deposiciones de animales se elimina el contacto de la mano al recoger los excrementos, al tratarse de un conjunto formado por dos cucharas rectangulares que se cruzan, disponiendo de dos posiciones abierta y cerrada. En la posicion abierta el recogedor de deposiciones lo acercaremos al excremento refregando el pavimento y lo cerraremos, quedando el excremento dentro del recogedor. El recogedor sera de un solo uso.

Probable Assignee: GENTILE CANO DOMINGO DANTE

Earliest Publication Date: 20161017



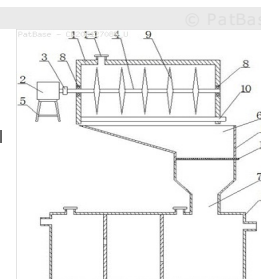
10) Family number: 65550036 (CN206127085U)

AQUACULTURE POLLUTANT PROCESSING APPARATUS

Abstract: Source: CN206127085U The utility model provides an aquaculture pollutant processing apparatus, it relates to a pollutant processing apparatus, concretely relates to aquaculture pollutant processing apparatus. The utility model discloses a solution animal waste treatment efficiency in the septic tank lower, and to the great animal waste of volume, often have handle incomplete, problem that the phenomenon that produces the residual takes place. The utility model discloses a crushing roller level sets up in grinding tank, and crushing roller's one end is connected with a bearing, crushing roller's the other end passes the rotation axis connection that another bearing passes through shaft coupling and driving motor, a plurality of crushing blade suits are on crushing roller, and a plurality of crushing blades all are located grinding tank, driving motor fixed mounting is on the motor support, faeces collector's discharge gate is connected with the feed inlet of septic tank, faeces collector's feed inlet is located the below of grinding tank's discharge gate, grinding tank's upper surface is provided with at least one excrement and urine entry. The utility model belongs to agriculture and forestry poultry field.

Probable Assignee: LI YAHUI

Earliest Publication Date: 20170426



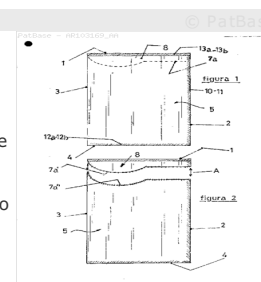
11) Family number: 65763848 (AR103169A)

BOLSA DESCARTABLE COLECTORA DE RESIDUOS ORGANICOS DISPOSABLE ORGANIC WASTE COLLECTION BAG (MACHINE TRANSLATION)

Abstract: Source: AR103169A Bolsa descartable colectora de residuos organicos, por lo menos parcialmente impermeable, compuesta por una primera y una segunda superficie laminar, flexibles contra-puestas y mutuamente adosadas, vinculadas entre si por sus bordes. Entre ambas define un volumen cerrado y en adyacencias de una primera arista o borde ambas piezas laminares presentan respectivas lineas de desgarrto enfrentadas y extendidas desde un segundo borde hasta un tercer borde opuesto al segundo, determinandose entre dichas lineas de desgarrto y la citada primera arista o borde una porcion de ambas piezas laminares selectivamente separable que incluye a dicho primer borde o arista y determina un medio de carga, mientras que el resto de la bolsa determina una contenedor, conformando en la zona de desgarrto una boca de entrada al volumen interior de la misma. Disposable collection bag of organic waste, at least partially waterproof, composed of a first and a second laminate surface, flexible against-lay and mutually attached, linked to each other by its edges. Between both defines a closed volume and adjacencies of a first edge or border both laminar pieces present respective lines of tear confronted and extended from a second edge to a third edge opposite the second, determinandose between these tear lines and the aforementioned first edge or edge a portion of both selectively separate laminar pieces that includes that first edge or edge and determines a means of loading, while the rest of the bag determines a container, forming in the tear zone a mouth of entry to the inner volume of the same.

Probable Assignee: CUBELA JIMENA ANA

Earliest Publication Date: 20170419



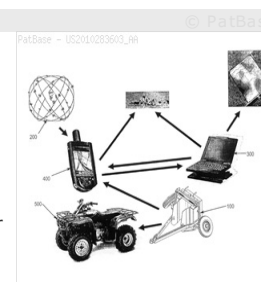
12) Family number: 33992311 (US2010283603A)

PASTURE MANAGEMENT

Abstract: Source: US2010283603A A plant matter sensor, the sensor includes a pair of parallel spaced apart sensor arms and a control console, a first of the arms having a plurality of emitter means spaced along its length, each emitter configured and arranged to, in use, emit a signal substantially perpendicularly to the arm to be received by a corresponding receiver on the second arm. The console contains controller means to, in use, control the rate, strength and regularity of the signal emitted by each of the said emitters, collectors to, in use, collect data from each receiver as to the existence or absence of receipt of a signal, a processor to process data received from the controllers and the collectors and determine the height of any plant matter traversed by the plant matter sensor and predetermined intervals, and storage to store the plant matter height data generated by the processor for subsequent download or analysis.

Probable Assignee: C DAX LTD

Earliest Publication Date: 20061214



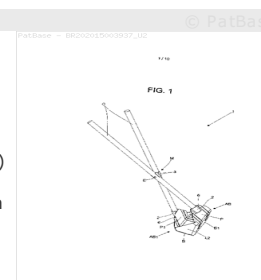
13) Family number: 64285630 (BR202015003937U)

DISPOSICAO APLICADA EM PA COLETORA DISPOSITION APPLIED IN PA GATHERER (MACHINE TRANSLATION)

Abstract: Source: BR202015003937U RESUMO DISPOSICAO APLICADA EM PA COLETORA consiste em uma pa coletora (1) com laminas (AB) e (AB1) complementar, com liberdade de movimento radial entre si, gracias a um mecanismo (M) de articulacao nos cabos (C) extensos para manuseio, promovendo assim com que as laminas (AB) e (AB1) colemem, enclausurem e descartem os residuos (R) mediante uma posicao ergonomica do usuario. Applied IN PA BUSBAR SUMMARY consists of a pa busbar arrangement (1) with blades (AB) and (AB1) complementary, with freedom of radial movement together, owing to a hinge mechanism (M) on the cables (C) to handling, thereby promoting the blades (AB) and (AB1) enclausurem collect, and landfill ergonomic position residues (R) by a user.

Probable Assignee: CANUTO LEONARDO

Earliest Publication Date: 20161116



RECOGEDOR DESECHABLE PARA EXCREMENTO DE MASCOTAS DISPOSABLE COLLECTOR PET WASTE (MACHINE TRANSLATION)

Abstract: Source: CO7590126A Resumen la presente invencion tiene por objeto servir como recogedor desechable biodegradable de facil manejo para los excrementos solidos de mascotas (perros y gatos); con este consideramos tener una ventaja importante con respecto a otros productos en el mercado. SUMMARY The present invention is intended to serve as biodegradable disposable collector for easy handling excrements pets (dogs and cats); this regard have a significant advantage over other products on the market.

Probable Assignee: BERNEY AURELIO MELO MARTINEZ

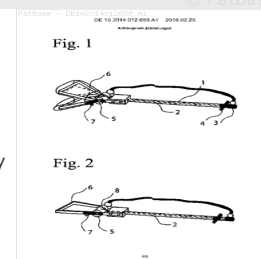
Earliest Publication Date: 20160429

VORRICHTUNG ZUR AUFNAHME VON HUNDEHAEUFCHEN OHNE BUECKEN DEVICE FOR TAKING HUNDEHAEUFCHEN WITHOUT BUECKEN (MACHINE TRANSLATION)

Abstract: Source: DE102014012659A1 Hundehaeufchen werden mit einem Greifer, der aus zwei zunaechst ineinander angeordneten dreieckigen Rahmen besteht, gefasst, die vorher mit einem "Gassibeutel" linksseitig ueberzogen wurden. Durch Zuklappen der Greifer verschlossen, laesst sich der Beutel umgestuelpt abziehen und entsorgen. Hundehaeufchen be a gripper, which consists of two initially nested triangular frame, taken previously by subject on the left side with a "sanitary bags". sealed by collapsing the gripper, the bag is possible deduct umgestuelpt and dispose of.

Probable Assignee: POHL PAUL

Earliest Publication Date: 20160225

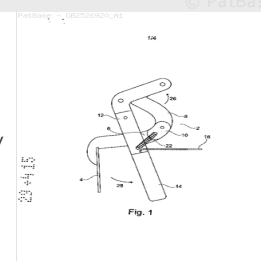


DEBRIS COLLECTING DEVICE

Abstract: Source: GB2526920A The collector 2, primarily for removing animal waste, features a retainer 16, actuator 8 and a frame 12 with a paddle 4 for scooping excrement into a container 20 that may be held by the retaining part. The container may be a selectively connectable bag that is held open when connected to the device by the periphery of its opening 14 or handles 24. The paddle may be mounted on a member 6 that may be pivotally connected to the frame. The paddle and member may have two spaced pivoting connections 10, such that they are pivotally movable with respect to the container. The paddle may be urged to an open position by a spring 22, and can be moved to a collecting position against this bias, wherein the paddle blade is then partially positioned in the container opening. Also claimed are a method of manufacture and use.

Probable Assignee: COOK GORDON

Earliest Publication Date: 20151209

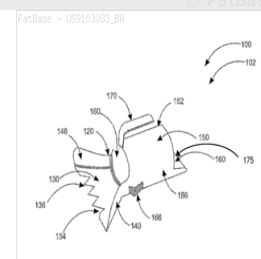


HANDI SCOOP SYSTEM

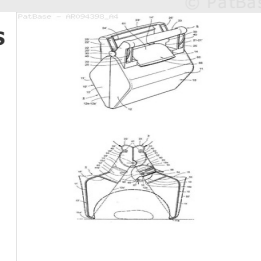
Abstract: Source: US9103083B An animal excrement collection system includes an animal excrement collection assembly having a hollow scooper device including a base having a flat tapered blade, a first curved upward first side wall, and a second curved upward second side wall; a cylindrical shaped open-ended collection receptacle having a body with a through-hole, at least two fasteners, and a handle; and a storage bag. The animal excrement collection system prevents the user from coming into contact with the animal excrement by scooping the animal excrement and dropping the animal excrement directly into the storage bag via the through-hole of the body thereby providing a sanitary means for preventing direct contact with the animal excrements.

Probable Assignee: ROLAND DAVID

Earliest Publication Date: 20150811



PALA RECOLECTORA DE EXCREMENTOS ANIMALES CON DISPENSADOR DE BOLSAS DESCARTABLES USADAS EN COMBINACION CON DICHA PALA PALA ANIMAL WASTE PICKERS DESCARTABLES DISPENSER WITH BAGS USED IN COMBINATION WITH SAID BLADE (MACHINE TRANSLATION)



Abstract: Source: AR094398A Una pala recolectora de excrementos animales constituida por un receptaculo recolector (a) y una porcion integral de sujecion y comando (b); el receptaculo (a) esta formado por dos semi-receptaculos complementarios (10) y (10) que tienen paredes posteriores (11) y (11), paredes laterales (12) y (12) con bordes enfrentados alineados (12a) y (12a), paredes inferiores con bordes a su vez enfrentados alineadamente (11a) y (11a), y paredes superiores (13) y (13) con bordes enfrentados alineados (13a) y (13a), teniendo las paredes superiores respectivos salientes con forma de U invertida que constituyen la estructura (b), que poseen primeros tramos rectos (20) y (20) con bordes enfrentados alineados (21) y (21) y segundos tramos proyectados angularmente en forma divergente (22) y (22) unidas por puentes (23) y (23), constituyendo asas de agarre y manipulacion, conformando dos palancas de primer genero que poseen un fulcro comun a ambas constituido por dos articulaciones (30) que estan formadas entre dichos primeros y segundos tramos (20 - 22) y (20 - 22) de dichos salientes superiores de los semi-receptaculos. Los semi-receptaculos estan tensionados permanentemente hacia la posicion de cierre por un par de muelles (40) en forma de semi-aros que estan contenidos en oquedades (25) y (25) de dichos salientes y tienen los extremos (41) enganchados en bordes (24 - 24) de los puentes (23 - 23). Las paredes superiores (13 - 13) del receptaculo (a) forman un rebajo en el que esta adaptado con posibilidad de giro limitado un dispensador en forma de carcasa semicilindrica (60) de bolsas contenedoras descartables (50) provistas en rollo (50) que son usadas para enfundar el receptaculo recolector (a) durante el trabajo de recoleccion. A shovel animal excrement collector consisting of a collection container (a) and an integral gripping portion and command (b); Receptacle (a) is formed by two semi-receptacles complementary (10) and (10) having rear walls (11) and (11), side walls (12) and (12) with aligned opposing edges (12a) and (12a), lower with edges turn facing alignedly (11a) and (11a) and upper walls (13) and (13) with aligned opposing edges (13a) and (13a) walls, having the respective projections upper walls shaped inverted U constituting the structure (b) which have straight first portions (20) and (20) with aligned opposing edges (21) and (21) and second projected angularly divergently sections (22) and (22) joined by bridges (23) and (23), constituting handgrips and handling, forming two levers of the first kind having a common fulcrum both constituted by two joints (30) are formed between said first and second sections (20 to 22) and (20-22) above said projections of semi-receptacles. The semi-pockets are permanently stressed towards the closed position by a pair of springs (40) as semi-rings that are contained in cavities (25) and (25) of said projections and have the ends (41) engaged in edges (24 - 24) of the bridges (23-23). The upper walls (13-13) of the receptacle (a) forming a recess in which is adapted with possibility of limited rotation a dispenser in the form of semi-cylindrical housing (60) disposable containment pouches (50) provided in roll (50) they are used to sheathe the collection container (a) during the harvesting work.

Probable Assignee: KRUSZEWSKI ADALBERTO MIECZYSLAW

Earliest Publication Date: 20150729

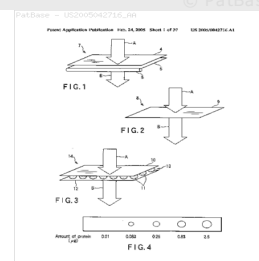
19) Family number: 31714308 (US2005042716A)

ALLERGEN INACTIVATING METHOD, ALLERGEN INACTIVATING FILTER, AIR TREATING APPARATUS, VIRUS INACTIVATING AGENT, VIRUS INACTIVATING METHOD, VIRUS INACTIVATING FILTER, AIR CONDITONING UNIT AND AIR CONDITIONER

Abstract: Source: US2005042716A The invention provides an allergen inactivating method by maintaining the allergens under a condition in which any one selected from the group consisting of heat, an alkali, an acid and an enzyme exists.

Probable Assignee: MITSUBISHI HEAVY IND LTD

Earliest Publication Date: 20050223



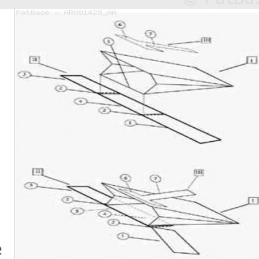
20) Family number: 58732376 (AR091428A)

**MEDIOS DE RECOLECCION DE RESIDUOS ORGANICOS QUE COMPRENDE BOLSAS RECOLECTORAS SANITARIAS MEDIANTE LAS CUALES EL RECOLECTOR EVITA EL TACTO CON LA MATERIA A RECOLECTAR
MEANS OF ORGANIC WASTE COLLECTION BAGS COMPRISING COLLECTORS HEALTH THROUGH WHICH THE COLLECTOR AVOID CONTACT WITH THE SUBJECT TO COLLECT (MACHINE TRANSLATION)**

Abstract: Source: AR091428A Una bolsa sanitaria para recolectar residuos organicos que cuenta con una herramienta de empuje o pala y un elemento de sujecion para mantener la boca de la bolsa abierta durante la recoleccion, evitando al usuario el tacto con la materia a recolectar. A sanitary bag to collect organic waste is a simple push or shovel and an element of restraint to keep the mouth of the bag open for the collection, avoiding the user touch with matter to collect.

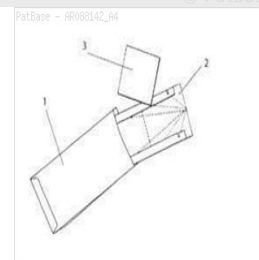
Probable Assignee: DUBINI MARIA

Earliest Publication Date: 20150204



21) Family number: 56717477 (AR088142A)

**CONJUNTO RECOLECTOR LAMINAR DESCARTABLE PARA RETIRAR Y DESECHAR EXCREMENTOS DE MASCOTAS URBANAS
LAMINAR COLLECTOR SET TO REMOVE AND DISCARD DESCARTABLE EXCREMENT URBAN PETS (MACHINE TRANSLATION)**



Abstract: Source: AR088142A Es un conjunto apto para recolectar el excremento de la via publica embolsarlo y arrojarlo a un recipiente receptor de residuos. Comprende tres elementos de accion coordinada, cada uno de los cuales esta constituido con un material laminar biodegradable, donde el primer elemento es una bolsita receptora de conformacion tal como un sobre alargado de planta rectangular; el segundo elemento es una palita colectora con mango que se constituye desde una unidad mono laminar de planta cuadrangular; en tanto que el tercer elemento es un implemento barredor que se constituye desde una unidad mono laminar plana. Dicha palita colectora se conforma desde un elemento mono laminar que se presenta afectado de lineas de corte y dobléz, entre las que se destacan dos lineas longitudinales de dobléz marginal (5) y (6) a partir de las cuales se definen los paramentos laterales (D) de la pala propiamente dicha, y sendas aletas convergentes (D) que intervienen en la conformacion del mango (7), para lo cual incluyen respectivas escotaduras (8) y (9) de anclaje mutuo asi como tambien dos tramos (F) superpuestos y proyectados hacia fuera en un plano sustancialmente vertical perpendicular al cuerpo de la pala. An apt together to collect droppings public roads bagged and throw to a receiver of waste container. Includes three elements of a coordinated action, each of which is formed of a biodegradable sheet material, where the first element is a receiving bag such as an envelope conformation elongated rectangular; the second element is a collection shovel with handle which is a mono unit from laminar quadrangular; while the third element is a sweeper attachment that is single unit from a planar sheet. This collection palita conforms from a monkey web presented affected lines of cutting and folding, among which are two longitudinal lines of marginal fold (5) and (6) from which the side walls are defined (D) of said blade properly, and paths converging flaps (D) involved in the conformation of the handle (7), for which include respective notches (8) and (9) as well as mutual anchoring also two sections (F) superposed and projected outward in a substantially vertical plane perpendicular to the blade body.

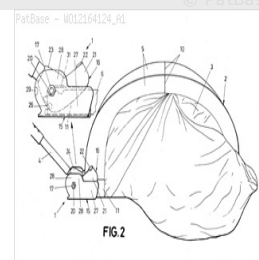
Probable Assignee: BERNER LUCILA

Earliest Publication Date: 20140514

22) Family number: 52534941 (WO12164124A1)

DEVICE FOR PICKING UP ANIMAL EXCREMENT AND FOLDING METHOD

Abstract: The device is of the type that has an elongate handle and a head that connects to an end portion of said elongate handle. The device is characterized in that the head (1) comprises a rocking support member (16) connected to the elongate handle, whereby said rocking support member (16) is mobilized, at the same time being articulated within a fixed support member (15), the rocking support member (16) being articulated in the latter by means of a transverse bolt (17) that joins the two support members (15-16), further comprising a folding frame (2) that supports a bag (3). Folding of the folding frame (2) and bag (3) assembly is achieved during rearward rocking of the elongate handle (4) by means of push elements of the rocking support member (16), which push semicircumferential frameworks (5) of the folding frame (2) upwards, reducing the angular amplitude therebetween and bringing said frameworks closer together.



Probable Assignee: BRAVO GARCIA ROBERTO

Earliest Publication Date: 20121206

23) Family number: 55477765 (CO6780230A)

RECOGEDOR DE HECES DE MASCOTAS LEE COLLECTOR PETS (MACHINE TRANSLATION)

Abstract: Source: CO6780230A Recogedor de heces de mascotas destinado para recoger las heces de los animales de compania, preferentemente perros, depositados por los mismos sobre la superficie del suelo, caracterizado por estar constituido a partir de un cuerpo tubular telescopico (figura 1) por cuya zona interna se desplaza una guaya metalica, fijada a un gatillo (figura 2) en la parte superior de la manija o mango ergonomico antideslizante de facil sujecion para que no se resbale (figura 2) y en la parte inferior al recogedor (figura 3) y al impulsador (figura 4) que permite la introduccion de los excrementos en la bolsa sostenida por el recogedor. Presenta una manija en la parte superior en la cual lleva el gatillo (figura 2) que hala la guaya metalica para que esta accione la parte interior que recoge los excrementos. El recogedor presenta un sistema de acople tipo mandril (figura 5) en la mitad de el que permite que el tubo telescopico inferior penetre en el tubo telescopico superior reduciendo su longitud para que sea mas amigable con la llevada en la mano, mientras en la otra se lleva al animal asido de su respectiva cadena o correa; la parte inferior va incrustada a la superior (figura 6) de manera interna y dentro del acople permitiendo su disminucion en longitud. El cuerpo (figura 1) presenta una configuracion de una sola pieza, siendo dos vastagos o tubos telescopicos uno (parte inferior) insertado dentro del otro (parte superior) acoplados en la mitad, con un sistema de acople tipo mandril (figura 5), o mecanismo que permita su presentacion en un tamano mas pequeno (figura 6). El recogedor lleva una bolsa plastica que se introduce en el impulsador y en el recibidor para evitar el contacto de las heces con las manos del operador. Pet feces picker intended to collect the feces of companion animals, preferably dogs, deposited by them on the soil surface, characterized by being constituted from a telescopic tubular body (Figure 1) for which guaya a metal inner zone, attached to a trigger (Figure 2) in the top of the handle or ergonomic non-slip handle for easy restraint does not slip (Figure 2) and at the bottom picker (Figure 3) travels and RBI (Figure 4) allowing the introduction of excrement sustained by the collector bag. It has a handle on the top in which the trigger leads (Figure 2) which pulls the metal out guaya to operate the inside of collecting droppings. The picker has a mandrel coupling system type (Fig. 5) in the middle of the bottom that allows the telescoping tube to penetrate the upper telescopic tube reducing its length to be more friendly to the carried in the hand, while the other takes the grip of the respective chain or belt animal; the lower portion is embedded into the top (Figure 6) internally within the coupling and allowing it to decrease in length. The body (Figure 1) has a one-piece configuration, with two rods or one telescopic tube (bottom) inserted into the other (upper) half coupled with a mandrel-type coupling system (figure 5), or mechanism to presentation at a smaller size (Figure 6). The catcher wears a plastic bag enters the booster and in the hall to avoid contact with the feces of the operator's hands.

Probable Assignee: ALBERTO MIGUEL RESTREPO RESTREPO

Earliest Publication Date: 20131031

24) Family number: 52120778 (ES1077803U)

DISPOSITIVO DESECHABLE PARA LA RECOLECCION DE EXCREMENTOS DE ANIMALES DOMESTICOS DISPOSABLE DEVICE FOR THE COLLECTION OF ANIMALS DROPPINGS (MACHINE TRANSLATION)

Abstract: Source: ES1077803U 1. Dispositivo desechable para la recoleccion de excrementos de animales domesticos, del tipo que comprende un contenedor (50) obtenido a partir de una pieza de lamina de carton (50a) doblada por unas lineas de hendido y adherida por unas zonas con adhesivo (14, 15, 17, 18), teniendo dicho contenedor (50) aproximadamente una forma de cucurcho aplanado, con un extremo posterior cerrado por la union de unas de dichas zonas con adhesivo (14, 15), un extremo delantero abierto, y un asa (23) formada por otras de dichas zonas con adhesivo (17 y 18) pegadas entre si y que sobresale de una pared lateral del mismo, caracterizado porque alrededor de dicho extremo delantero abierto del contenedor (50) se encuentran unas aletas de cierre (3, 4, 5) que una vez dobladas por unas correspondientes lineas de hendido (6, 7, 8, 9) cierran el extremo delantero abierto del contenedor (50) despues de su uso.2. Dispositivo desechable segun la reivindicacion 1, caracterizado porque comprende un accesorio empujador (60) obtenido a partir de otra pieza de lamina de carton (60a) doblada por unas lineas de hendido (10, 11, 12, 13) y que coopera con el extremo delantero abierto del contenedor (50) para empujar excrementos de animales domesticos al interior del mismo.3. Dispositivo desechable segun la reivindicacion 2, caracterizado porque dicha pieza de lamina de carton (60a) que forma el accesorio empujador (60) esta dimensionada para caber dentro del contenedor (50) cuando las aletas de cierre (3, 4, 5) del mismo estan en una posicion abierta.4. Dispositivo desechable segun la reivindicacion 2 o 3, caracterizado porque dicha pieza de lamina de carton (60a) que forma el accesorio empujador (60) comprende unas zonas laterales (21 y 22) que se doblan por unas lineas de hendido cuando sobre las mismas es aplicada presion, con lo cual el accesorio empujador (60) se rigidiza y adquiere una forma concava para facilitar el uso del mismo.

Machine translation: 1. Disposable device for the collection of domestic animal excrement, of the type comprising a container (50) made from a piece of cardboard sheet (50a) bent by a cloven lines and attached by adhesive zones (14, 15, 17, 18), said container (50) about a flattened cone-shaped, with a rear end closed by the union of some of those areas with adhesive (14, 15), an open front end, and a handle (23) formed by others of said areas with adhesive (17, 18) glued together and projecting from a side wall thereof, characterized in that around said open front end of the container (50) are closure flaps (3, 4, 5) bent once by corresponding crease lines (6, 7, 8, 9) closing the open front end of the container (50) after its use.2. Disposable device according to claim 1, characterized in that it comprises a pusher attachment (60) made from another piece of cardboard sheet (60a) folded about crease lines (10, 11, 12, 13) and cooperating with the end open front of the container (50) to push the faeces of domestic animals mismo.3 interior. Disposable device according to claim 2, characterized in that said piece of cardboard sheet (60a) forming the pusher attachment (60) is sized to fit within the container (50) when the closure flaps (3, 4, 5) thereof are in a position abierta.4. Disposable device according to claim 2 or 3, characterized in that said piece of cardboard sheet (60a) forming the pusher attachment (60) comprises lateral zones (21 and 22) which are folded about the creasing lines when on the same is Pressure applied, whereupon the pusher attachment (60) is stiffened and assumes a concave shape to facilitate use thereof.

Probable Assignee: OYHENART EDUARDO RENE

Earliest Publication Date: 20121010

25) Family number: 51737399 (ES1077577U)

RECOGEDOR DE EXCREMENTOS EXCREMENT COLLECTOR (MACHINE TRANSLATION)

Abstract: Source: ES1077577U 1. Recogedor de excrementos, que siendo de los que integran una bolsa en cuyo interior se introducen las heces de un animal depositadas en el suelo,se caracteriza porque:- comprende un primer marco (1) superior y un segundo marco (2) acoplados ambos entre si mediante un abisagrado (3);- la bolsa (4) se sujeta por su embocadura entre ambos marcos (1-2) en una posicion plegada en la que ambos marcos (1-2) estan superpuestos y encajados entre si: el primer marco (1) dispuesto sobre el segundo marco (2), pinzando la bolsa entre los dos marcos (1-2);- un dispositivo radial (14) el cual en la posicion plegada del recogedor mantiene el anclaje de ambos marcos (1-2) sujetando la bolsa (4) por su embocadura, mientras que en otra posicion desplegada del recogedor libera el abatimiento del primer marco (1) superior con respecto al segundo marco (2) inferior.2. Recogedor de excrementos, segun la reivindicacion 1 caracterizado porque el dispositivo radial (14) comprende:- una pestana (6) unida a una extension radial (7) solidaria al segundo marco (2) inferior;- una ranura frontal (8) establecida en el segundo marco (2) inferior;donde en la posicion de anclaje un extremo de la pestana (6) se encaja en la ranura frontal (8), mientras que en una posicion de liberacion la pestana (6) no encaja en tal ranura frontal (8).3. Recogedor de excrementos, segun una cualquiera de las reivindicaciones anteriores, caracterizado porque el acoplamiento abisagrado (3) de ambos marcos: primero 1 y segundo 2, comprende una primera pala (11a) y una segunda pala (11b), acopladas entre si mediante un eje intermedio (12), a la vez que tales palas (11a-11b) estan fijadas a los marcos: primero (1) y segundo (2), mediante unos elementos de fijacion (13).4. Recogedor de excrementos, segun las reivindicacion 3, caracterizado porque las palas: primera (11a) y segunda (11b) se unen a los marcos (1-2) mediante unos elementos seleccionados entre unos tornillos y unos remaches.5. Recogedor de excrementos, segun la reivindicacion 2, caracterizado porque la extension radial (7) conecta con un mango telescopico de asido (9) por mediacion de un abisagrado terminal (10).

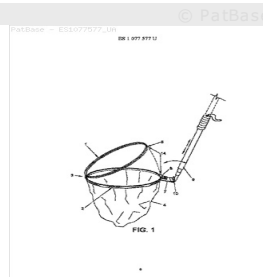
Machine translation: 1. Excrement collector, which being of those comprising a bag into which is introduced an animal faeces deposited on the ground, characterized in that: - it comprises a first frame (1) and a second upper frame (2) both coupled between if using a hinged (3) - Bag (4) is attached by its mouth between both frameworks (1-2) in a folded position in which both frames (1-2) are superimposed and fitted to each other: the first frame (1) arranged on the second frame (2), clamping the bag between the two frameworks (1-2), - a radio device (14) which in the folded position of the collector holds both anchor frames (1 - 2) holding the bag (4) by its mouth, while another catcher deployed position releases the first frame Gloom (1) above with respect to the second frame (2) inferior.2. Excrement collector according to claim 1 wherein the radio device (14) comprises: - a tab (6) joined to a radial extension (7) integral with the second frame (2) below, - a front slot (8) established in the second frame (2) below, where the anchoring position in one end of the flange (6) engages in the front slot (8), whilst in a release position the tab (6) does not fit into such groove frontal (8) 3. Excrement collector according to any of the preceding claims, characterized in that the hinged coupling (3) of both frames: the first 1 and second 2 comprises a first blade (11a) and a second blade (11b), coupled together by a intermediate shaft (12), while these blades (11a-11b) are fixed to the frames: the first (1) and second (2), by fastening elements (13) 4. Excrement collector, according to claim 3, characterized in that the blades: the first (11a) and second (11b) are attached to the frames (1-2) by means of elements selected from screws and a remaches.5. Excrement collector according to claim 2, characterized in that the radial extension (7) connected with a telescopic handle for grasping (9) hinged by means of a terminal (10).

Probable Assignee: PINERO MARTINEZ ANTONIO

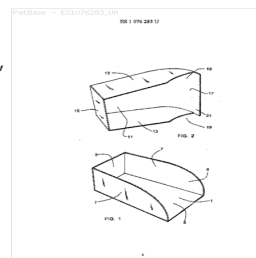
Earliest Publication Date: 20120814

26) Family number: 50673690 (ES1076283U)

RECOGEDOR DE EXCREMENTOS DE ANIMALES DOMESTICOS DROPPINGS CATCHER PETS (MACHINE TRANSLATION)



Abstract: Source: ES1076283U 1. Recogedor de excrementos de animales domesticos, que comprende un cuerpo y una tapa, caracterizado porque:[a] dicho cuerpo comprende una base (1) a partir de la cual se extienden unas paredes laterales de cuerpo (7) y una pared posterior de cuerpo (5) unida a ambas paredes laterales de cuerpo (7), dicho cuerpo presentando una abertura (9) en el lado opuesto a dicha pared posterior de cuerpo (5), y [b] dicha tapa comprende una pared superior (11) a partir de la cual se extienden unas paredes laterales de tapa (13) y una pared posterior de tapa (15) unida a ambas paredes laterales de tapa (13), donde la distancia entre dichas paredes laterales de tapa (13) es superior a la distancia entre dichas paredes laterales de cuerpo (7), de manera que dicha tapa es apta para montarse sobre dicho cuerpo, y donde dicha tapa comprende, adicionalmente una pared anterior (17) que se extiende entre dichas paredes laterales de tapa (13), siendo dicha pared anterior (17) de una longitud tal que, estando la tapa montada sobre el cuerpo, la pared anterior (17) llega hasta la base (1), de manera que el recogedor queda totalmente cerrado.2. Recogedor segun la reivindicacion 1, caracterizado porque dicha tapa comprende dos orificios (19) laterales, cada uno de ellos dispuesto en cada una de las paredes laterales de tapa (13), donde dichos orificios (19) permiten que, cuando la tapa esta montada sobre la base, el dedo de un usuario entre en contacto con la pared lateral de cuerpo (7) correspondiente.3. Recogedor segun la reivindicacion 2, caracterizado porque dichos orificios (19) laterales estan dispuestos en la confluencia entre dichas paredes laterales de tapa (13) y dicha pared anterior (17), de manera que el extremo inferior de la pared anterior (17) conforma un voladizo.4. Recogedor segun cualquiera de las reivindicaciones 1 a 3, caracterizado porque es de un material celulosico, preferentemente de cartulina o carton reciclado.5. Recogedor segun cualquiera de las reivindicaciones 1 a 4, caracterizado porque comprende unos medios de encliquetado reversible, aptos para fijar, de una forma reversible, dicha tapa sobre dicho cuerpo.6. Recogedor segun cualquiera de las reivindicaciones 1 a 5, caracterizado porque dichas paredes laterales de cuerpo (7) y dichas paredes laterales de tapa (13) son divergentes entre si a partir de sus respectivas paredes posteriores (5, 15).7. Recogedor segun cualquiera de las reivindicaciones 1 a 6, caracterizado porque la union entre dichas paredes laterales de cuerpo (7) y dicha base (1) y la union entre dichas paredes laterales de tapa (13) y dicha pared superior (11), asi como las respectivas uniones con dichas paredes posteriores de cuerpo (5) y de tapa (15) es con radios de curvatura menores de 3 mm.



Machine translation: 1. Catcher excrement of domestic animals, comprising a body and a lid, characterized in that: [a] said body comprises a base (1) from which extend side walls of body (7) and a rear wall of body (5) attached to both side walls of body (7), said body presenting an opening (9) on the side opposite said back wall of body (5), and [b] said lid comprises a top wall (11) to from which extend side walls of cover (13) and a lid rear wall (15) attached to cover both side walls (13), where the distance between said lid side walls (13) is higher than the distance between said side walls of body (7), so that said cover is suitable for mounting on said body, and wherein said lid further comprises a front wall (17) extending between said lid side walls (13), wherein said anterior wall (17) of a length such that, the lid being mounted on the body, the front wall (17) reaches to the base (1), so that the collector is completely cerrado.2. Catcher according to claim 1, wherein said cover comprises two holes (19) side, each provided in each side wall of cap (13), wherein said holes (19) allow, when the lid is mounted on the base, the finger of a user in contact with the side wall of body (7) correspondiente.3. Catcher according to claim 2, wherein said holes (19) are disposed side at the junction between said lid side walls (13) and said anterior wall (17), so that the lower end of the front wall (17) conforms a voladizo.4. Catcher according to any of claims 1 to 3, characterized in that is a cellulosic material, preferably cardboard or paperboard reciclado.5. Catcher according to any of claims 1 to 4, further comprising means for encliquetado reversible, able to define, in a reversible manner, said lid on said body.6. Catcher according to any of claims 1 to 5, wherein said body side walls (7) and cover said side walls (13) are divergent from each other their respective rear walls (5, 15) 0.7. Catcher according to any of claims 1 to 6, characterized in that the junction between said side walls of body (7) and said base (1) and the junction between said lid side walls (13) and said upper wall (11), so as the respective junctions with said rear walls of body (5) and cover (15) with radii of curvature is smaller than 3 mm.

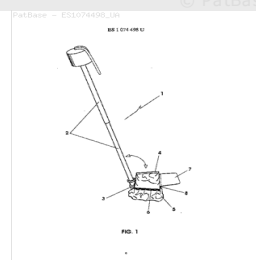
Probable Assignee: GRINO BOIRA PLACIDO

Earliest Publication Date: 20120222

27) Family number: 48845773 (ES1074498U)

RECOGEDOR DE EXCREMENTOS DE PERROS DOG CATCHER DROPPINGS (MACHINE TRANSLATION)

Abstract: Source: ES1074498U (Claim 1) 1. Recogedor de excrementos de perros, constituido a partir de un baston con su respectivo mango terminando su extremo inferior en una contera de goma o plastico, constando el cuerpo del baston de dos tubos que forman dos tramos relacionados telescopicamente y presentando poco mas arriba de la contera un marco que queda en posicion horizontal al suelo cuando se extiende el baston para recoger el excremento del perro en el momento en que el animal defeca, y porque en torno al marco se acopla la boca de una bolsa de plastico de un solo uso mediante medios de union tales como goma elastica, clips o doble bastidor, **caracterizado** porque el baston telescopico presenta al final una pequena pala practicable mediante bisagra, capaz de recoger las heces que hayan quedado en el suelo y descargarlas en la bolsa receptora con tan solo llevar hacia atras la pala y hacer girar su bisagra practicable.



Machine translation: (Claim 1) 1. Dog feces collector, made from a stick with its own handle its lower end terminating in a tip of rubber or plastic, the body of the cane consisting of two tubes forming two sections telescopically connected and showing little above the tip a framework that is in a horizontal position when extended down the stick to pick up dog droppings when the animal defecates, and because the frame fits around the mouth of a plastic bag use by one means Joining such as gum elastic, clips or double frame, characterized Because the baton at the end has a small hinged blade practicable, able to pick up feces left on the floor and discharged in the bag receiver with only carry the shovel backward and spin its hinge practicable.

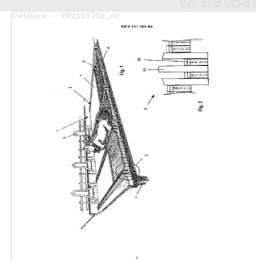
Probable Assignee: BASTIDA MILAN DAVID

Earliest Publication Date: 20110505

28) Family number: 43253333 (EP2111751A3)

WASTE REMOVAL SYSTEM FOR REMOVING STALL DUNG

Abstract: Source: EP2111751A3 Die Erfindung betrifft ein Element (6, 6') zur Beseitigung von Stallmist von einer Standflaeche (1) mit einem Aufenthaltsbereich (3) fuer ein Tier, insbesondere Rind oder Pferd, mit zumindest einer Schubeinrichtung (8, 8'), die aus einer Ruheposition in eine Entmistungsposition bewegbar ist, wobei sie den auf einer Oberflaeche (5) befindlichen Stallmist in eine Auffangvorrichtung (7) bewegt, sowie ein Entmistungssystem und ein Verfahren hierzu.



Probable Assignee: STEGER ANTON

Earliest Publication Date: 20090515

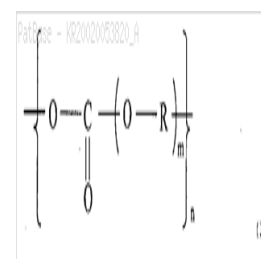
29) Family number: 29952420 (US2003013821A)

RESIN COMPOSITION AND USE THEREOF

Abstract: Source: US2003013821A A resin composition comprising: 30 to 95 parts by weight of a biodegradable polylactic acid resin (A), and 70 to 5 parts by weight of a specified polyalkylene carbonate (B), providing that the sum of components (A) and (B) is 100 parts by weight. The invention provides an excellent resin composition which is biodegradable, transparent, flexible and has gas barrier properties and which is free from the occurrence of bleedout with the passage of time. Further, the resin composition of the invention is excellent in moldability, so that a variety of molded articles can be produced by various molding techniques and put to practical use. The resultant molded articles, when disposed of after use, exhibit high biodegradability in natural environment.

Probable Assignee: MITSUI CHEMICALS INC

Earliest Publication Date: 20020214



30) Family number: 44894847 (ES2336414B)

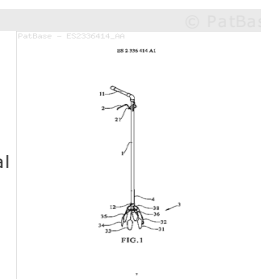
APARATO RECOGEDOR DE OBJETOS APPLIANCE COLLECTOR OF OBJECTS (MACHINE TRANSLATION)

Abstract: Source: ES2336414B Aparato recogedor de objetos, del tipo que comprende un mango con asidero y un mando de usuario en un extremo proximal del mango y dispositivo de captura en un extremo distal del mango, caracterizado porque el dispositivo de captura comprende una serie de dedos de pinza en disposicion circunferencial alrededor del eje axial del mango, estando cada dedo de pinza articulado con respecto al mango con capacidad de giro alrededor de un eje perpendicular al eje axial del mango, disponiendo cada dedo de pinza de un tirante conectado a un bulon con capacidad de movimiento a lo largo del eje axial del mango, siendo dicho bulon accionable desde el mando del usuario, de tal manera que el movimiento del bulon provoca la apertura o cierre de la pinza por giro de los dedos de pinza alrededor de los citados ejes perpendiculares.

Machine translation: Apparatus collector of objects, of the type comprising a grip handle and a user command at a proximal end of the handle and capture device at a distal end of the handle, wherein the capture device comprising a plurality of fingers circumferential clamp arrangement around the axis of the handle, with each gripper finger on the handle articulated rotatably about an axis perpendicular to the axial axis of the handle, with each finger of a clamp strap connected to a piston pin capable motion along the axial axis of the handle, said bolt being actuatable from the remote user, so that movement of the piston pin causes the opening or closing of the clamp by rotating the collet fingers around the said perpendicular axes.

Probable Assignee: GARCIA DIAZ PEDRO

Earliest Publication Date: 20100412



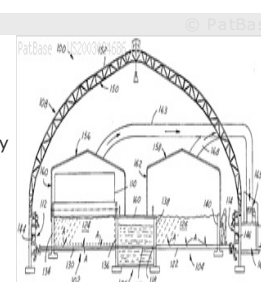
31) Family number: 27990945 (US2003024686A)

BIOMASS HEATING SYSTEM

Abstract: Source: US2003024686A Improved systems, methods, apparatus and compositions for generating, extracting and distributing the renewable heat energy produced by microbial decomposition of organic biomass within a contained and controlled environment. This heat energy is preferably transferred and distributed, preferably by the use of heat pipes, to the interior of a greenhouse or other structure to be heated, either directly or via heat exchange apparatus such as hot water heating systems. In one embodiment heat transfer and distribution mechanism customized to the application requirements of a greenhouse heating batch-type process is disclosed, along with a recipe for a readily available biomass material composition that will slowly decompose while it generates a substantial quantity of usable heat energy to be consumed in the elevation of temperature in a separated greenhouse basement confinement area. Additional continuous and batch process embodiments of biomass heating systems are also disclosed that extract heat energy from decomposing biomass for heating uses. In some embodiments gaseous products generated in a biological decomposition process, primarily CO₂, are utilized to enhance plant growth in the greenhouse environment.

Probable Assignee: ACROLAB HTS INC

Earliest Publication Date: 20030123



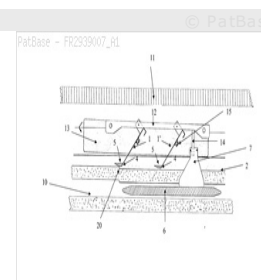
32) Family number: 45165621 (FR2939007B)

RACLEUR DESTINE A RACLER LE FOND D'UNE FOSSE DE RECUPERATION DE DEJECTIONS D'UNE INSTALLATION D'ELEVAGE D'ANIMAUX ET INSTALLATION D'ELEVAGE D'ANIMAUX EQUIPEE D'UN TEL RACLEUR

Abstract: The scraper has a support frame (13) for supporting a scraper blade (1), and a driving unit (12) displacing the frame along a predefined path. The scraper blade is equipped with an obstacle crossing assisting unit (5) at its leading edge (4). The assisting unit permitting raising of the scraper blade when the scraper blade encounters an obstacle (20) on its path, where the obstacle is a discontinuity zone between two slabs forming a bottom (2) to be scraped. An independent claim is also included for an animal farming installation comprising a farming zone.

Probable Assignee: MAISON BLEUE

Earliest Publication Date: 20100604

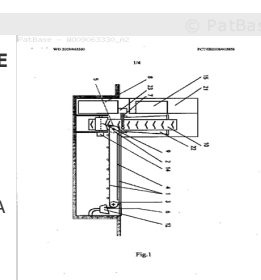


33) Family number: 43272398 (WO09063330A2)

AUTOMATICALLY CLEANED SURFACE FOR COLLECTING ANIMAL EXCREMENT BY SEPARATING SAME FROM LIQUID ELEMENTS FOR RECYCLING PURPOSES

Abstract: The invention relates to an automatically cleaned surface intended for animal excrement. The system is formed by a horizontal moving pavement (1) having a sufficient surface area that is stiffened by a plate (4). Upon release, the pavement (1) moves automatically towards two conveyor belts (9, 10) enabling fecal matter to be discharged into a container (22), the separation of said matter being facilitated by a blade (5). Subsequently, the control unit (15) stops the conveyor belts (9, 10) and reverses the direction of travel of the moving pavement (1). A sprinkler (7) applies washing product to the moving pavement (1) and a second blade (6) cleans same, with residues being discharged into drains. When the washing operation is finished, the system stops and can then be accessed by new users. The invention can be used to help keep outdoor spaces clean by creating automatically cleaned surfaces intended mainly for dogs.

Probable Assignee: GUY JACQUES MARIE FRANSSSEN



34) Family number: 33122386 (US2006157994A)

Diagram illustrating the assembly of a detachable handle docked to a semi-circular body. The components and their states are labeled:

- Detachable Handle docked to outer semi-circular body**: Points to the main assembly.
- Outer semi-circular body**: Points to the large, curved component.
- Protrusion on Removable inner semi-circle insert to facilitate manual rotation of same**: Points to the small protrusion on the inner semi-circle.
- Removable inner semi-circle insert in ready position**: Points to the inner semi-circle component.
- Flexible sheet in ready position**: Points to the thin, curved sheet at the bottom.
- Sanding insert**: Points to the small, rectangular insert at the bottom.
- Liner in ready position**: Points to the thin, rectangular insert at the bottom.
- Eyebolt for metal ring to attach standard sheath**: Points to the small metal ring at the bottom.

Probable Assignee: SCOOPEEZE BRANDS LLC

Earliest Publication Date: 20060720

35) Family number: 44272947 (WO10010212A1)

DEVICE FOR COLLECTING THE EXCREMENT OF DOGS OR OTHER ANIMALS

Figure 3

Probable Assignee: PAEZ GALIAN EZEQUIEL

Earliest Publication Date: 20100128

36) Family number: 41696408 (WO08040831A1)

COLLECTOR/CONTAINER FOR SOLID OR SEMI-SOLID WASTE

Probable Assignee: ALVAREZ DE SOTOMAYOR YBERN

Earliest Publication Date: 20080410

37) Family number: 42491252 (BRMU8701610U)

FIG. 01: A perspective view of a device with a handle (1) and a comb-like structure (2). A label "FIG. 01" is present.

FIG. 02: A side view of the device showing the handle (1) and the comb-like structure (2). A label "FIG. 02" is present.

FIG. 03: A top view of the device showing the handle (1) and the comb-like structure (2). A label "FIG. 03" is present.

FIG. 04: A side view of the device showing the handle (1) and the comb-like structure (2). A label "FIG. 04" is present.

FIG. 05: A perspective view of the device showing the handle (1) and the comb-like structure (2). A label "FIG. 05" is present.

Probable Assignee: MALTZ RASKIN EDUARDO

Earliest Publication Date: 20081104

38) Family number: 41809026 (ES1067346Y)

BOLSA PARA RECOGER EXCREMENTOS CANINOS.

FIGURE 4

Probable Assignee: TRADEWORLD SOCIEDADES AND MARCAS

Earliest Publication Date: 20080516

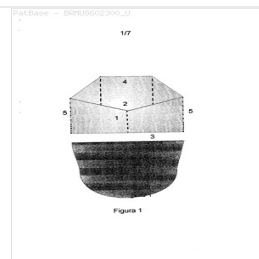
39) Family number: 41921366 (BRMU8602300U)

COLETOR SANITARIO DESCARTAVEL DE FEZES E EXCREMENTOS DE ANIMAIS DOMESTICOS DISPOSABLE SANITARY ARTICLE OF FECES AND EXCREMENT COLLECTOR OF PETS (MACHINE TRANSLATION)

Abstract: Source: BRMU8602300U RESUMO Coletor Sanitario Descartavel de Fezes e Excrementos de animais domesticos (figs 1 a 7) e caracterizado por uma camara (1) retangular, medindo entre 10 e 15 cms de comprimento, e cerca de 12 cms de largura, contendo abertura na parte 5 frontal com um corte diagonal (2) e outra na parte posterior (3), na parte frontal fica a abertura e a pa (4) para se efetuar a coleta. A parte traseira (3) da camara (1) tem uma abertura com o mesmo diametro frontal (2), mas o corte e reto onde e acoplado o saco plastico descartavel (6). O excremento coletado pela pa (4) passa pela camara (1) e sera depositado no saco plastico (6). O saco plastico (6) 10 descartavel tem desenho especifico para facilitar o descarte total. Antes de se efetuar a coleta, o coletor deve ser montado, operacao que e facilmente atingida apertando-se as laterais da camara (1) com a mao, forcando assim os vincos pre- determinados em lugares estrategicos a cederem para que o objeto seja facilmente armado. Na presente disposicao, o coletor sanitario descartavel de 15 fezes e excrementos de animais domesticos, e bastante dinamico e pratico na sua construcao, permitindo a utilizacao atraves de movimento continuo, tendo assim uma funcionalidade monolitica. Em outra versao (fig 5,6 e 7), o modelo tem as mesmas caracteristicas basicas do modelo descrito acima, mas e construido em forma de envelope contendo uma camara (1) mais alongada medindo cerca de 25 20 cms de comprimento e largura de cerca de 12 cms. A boca frontal e igual a versao anterior mas a parte traseira (3) do envelope e selada e forma-se atraves de pressao com as maos nas laterais (5), nos pontos previamente marcados com vincos para sua armacao. Esta versao, permite que se faca a coleta diretamente no envelope dispensando assim a utilizacao de um saco plastico. Disposable sanitary article of feces and Excrement Collector summary of pets (figs 1 to 7) is characterized by a rectangular chamber (1), measuring between 10 and 15 cms in length and about 12 cms, front 5 with a diagonal cut containing opening in part (2) and another on the back (3 at the front end is opening and the pa (4) to effect the collection. The back (3) of the chamber (1) has an opening (2) with the same diameter, but the straight front cutting and disposable plastic bag (6) where it is coupled to the. The Excrement collected by pa (4) passes through chamber (1) and will be deposited on the plastic bag (6). (6) The disposable plastic bag 10 has particular design to facilitate disposal. Prior to performing the collection, the header should be mounted, operation that is readily reached by tightening the sides of the chamber (1) with hand, thereby forcing the predetermined creases in strategic places to give in so that the object is easily armed. In the present arrangement, the collector disposable sanitary article 15 of feces and animal excrements, is quite dynamic and practical in their construction, allowing the use through continuous motion, thereby having a monolithic functionality. In another embodiment (Fig 5.6 and 7), the model has the same basic characteristics of the model described above but is constructed in the form of envelope containing a chamber (1) more elongated measuring about 2520 length and width from about 12 cms cms. The front mouth is equal to previous version but the back (3) of the envelope is sealed and there is through pressure with the hands on the sides (5) in points previously marked with creases to its frame. This embodiment allows to collect directly in the envelope thus dispensing using a plastic bag.

Probable Assignee: PAULA HILDEBRANDO STADLER DE

Earliest Publication Date: 20080610



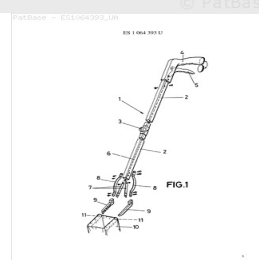
40) Family number: 34984913 (ES1064393Y)

RECOGEDOR DE EXCREMENTOS DE ANIMALES

Abstract: Source: ES1064393U 1. Recogedor de excrementos de animales, que siendo del tipo de los constituidos a partir de un mastil con su extremo superior dotado de un asidero de agarre manual y un gatillo de accionamiento para un cable que discurre por el interior del mastil y que se vincula a unas pinzas establecidas en el extremo inferior del propio mastil, a cuyas pinzas se vincula la correspondiente bolsa receptora de los excrementos, se caracteriza porque el mastil esta formado por dos partes articuladas entre si, permitiendo el plegado del mismo con su correspondiente reduccion de longitud, mientras que las pinzas o mordazas estan constituidas por elementos de perfil dentado para posibilitar la recogida de los excrementos del suelo y evitar la recogida de arenas y otros residuos, estando esas pinzas o mordazas fijadas sobre dos brazos o pletinas vinculadas al extremo del cable accionable por el gatillo establecido en el agarradero, y cuyas pletinas o brazos estan requeridas hacia una posicion de cierre por medio de elementos elasticos laterales fijados entre dichas pletinas o brazos y el propio extremo del mastil. 1. Excrement collector pet, which being of the type formed from a mast with its upper end provided with a handle grip and a manual actuating trigger for a cable that runs through the inside of the mast and is linked to a forceps set at the lower end of the mast itself, whose clamps is linked the corresponding receiving bag of excrement, characterized in that the mast is formed by two parts hinged together, allowing the folding of the same with a corresponding reduction in length, while the clamps or jaws are constituted by elements of toothed profile to enable the collection of excrement from the ground and avoid Collection Of sands and other residues, being these clamps or jaws fixed on two arms or plates connected to the end of the cable operable by the trigger set to the handle, and whose plates or arms are required toward a closed position by means of elastic elements set between said side plates or arms and the end itself of the mast.

Probable Assignee: MEJIAS BEU JOSE

Earliest Publication Date: 20070301



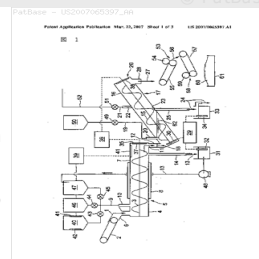
41) Family number: 31304047 (US2007065397A)

MATERIAL HAVING DEODORIZING FUNCTION AND PROCESS FOR PRODUCTION THEREOF

Abstract: Source: US2007065397A A material having a deodorizing function, characterized in that it comprises a paper powder containing a copper or zinc compound or copper and zinc compounds retained therein. A method for producing a material having a deodorizing function, characterized in that it comprises mixing an aqueous solution of a copper or zinc compound or copper and zinc compounds into a paper powder; mixing the resulting mixture into an aqueous solution of a pH adjuster to form a water-insoluble basic compound or hydroxide of copper or zinc or copper and zinc; and retaining the formed water-insoluble basic compound or hydroxide in the paper powder. It is possible to form a material having a deodorizing function by effectively utilizing a waste such a paper powder and to provide an inexpensive material having a deodorizing function and a method for producing the same. A granular excrement treating article comprising a granular core portion and a coating layer portion covering the granular core portion, both of which are formed utilizing the material having a deodorizing function. During and after use of the excrement treating article, an obnoxious odor generated by excrement can be deodorized by the copper or zinc compound having the deodorizing function.

Probable Assignee: DAIKI CO LTD

Earliest Publication Date: 20041104



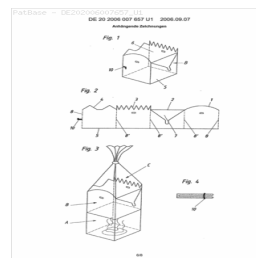
42) Family number: 34332809 (ES1063903Y)

DISPOSITIVO PARA LA LIMPIEZA DE LAS FOSAS DE GRANJAS

Abstract: Source: DE202006007657U1 The manual collector for dog faeces has a flexible waterproof container and a scoop (B) of stiffer material than the container. The scoop has at least two different edges transverse to the container and of different shapes. The container can be parallelepiped or prismatic and the scoop can have four edges.

Probable Assignee: KNOFLACH INGE

Earliest Publication Date: 20060803



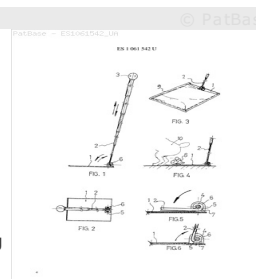
46) Family number: 34678708 (ES1061542Y)

PALA PLEGABLE COLECTORA DE EXCREMENTOS DE ANIMALES DE COMPANIA

Abstract: Source: ES1061542U 1. Pala plegable colectora de excrementos de animales de compania, evitando que lleguen al suelo y tambien el usuario se agache, caracterizada por el hecho de estar constituida por una placa plana y rigida (1), de contorno preferentemente rectangular, de cuyo borde posterior queda sujeto el mango o brazo (2), de estructura telescopica, y abatible sobre la propia pala (1), gracias a la articulacion dispuesta en su extremo inferior (4), enrollado alrededor de un eje (5) a su vez fijado, debidamente separado de la placa (1), en dos aletas verticales y paralelas (6), cuya placa (1) se situara bajo la parte posterior del animal en el momento que vaya a iniciar la defecacion, evitando que el excremento caiga directamente al suelo, recubriendose, opcionalmente, dicha pala (1) con una bolsa (9) o bien con un papel. 1. Pet excrement collector Folding Blade, preventing it from reaching the ground and also the user to bend down, characterized by the fact of being constituted by a flat and rigid plate (1), preferably rectangular contour, whose rear edge is subject the handle or arm (2), telescopic structure, and hinged on the blade itself (1), thanks to the joint provided at its lower end (4), wound around an axis (5) in turn fixed, properly separated from the plate (1), vertical and parallel in two flaps (6), which plate (1) is placed under the back of the animal at the time to initiate defecation, preventing the excrement to fall directly to the ground, Optionally, said blade (1) being coated with a bag (9) or with a paper.

Probable Assignee: SOLE ESPINOS CARLOS

Earliest Publication Date: 20060301



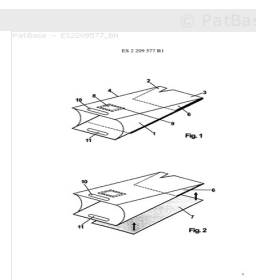
47) Family number: 30738006 (ES2209577B)

GUANTE-BOLSA PERFECCIONADO

Abstract: Source: ES2209577B Guante - bolsa perfeccionado. Guante - bolsa perfeccionado, que consiste esencialmente en un elemento de material plastico o similar, flexible, en forma de guante y bolsa, llevando en su interior una lamina (6) de material aislante termico, de papel o similar, que ocupa la zona correspondiente al tamaño de los dedos. Este guante - bolsa (1) tiene en su cara exterior de contacto con los excrementos, una hoja (7) de material absorbente, adherida a la misma ocupando una tercera parte de dicha cara y esta impregnada de una locion perfumada, para diluir los malos olores de los excrementos. Dicho guante - bolsa (1), presenta unos orificios en sus caras superior e inferior, proximos a la abertura (5), a modo de asas (10) y (11) y una vez sujeta el asa (10) con la mano libre, permite con facilidad voltear totalmente el guante - bolsa (1) hacia su interior cuando los excrementos se encuentran cogidos por la otra mano enguantada, quedando asi las heces en la parte exterior del guante - bolsa (1), desprendiendose en esta operacion de volteo, del interior de la cara superior (4) del guante - bolsa (1), una toallita humeda (8), para limpieza de las manos del usuario. Tiene su aplicacion principal en la recogida de excrementos de animales domesticos y como util de limpieza de personas enfermas, ancianas y ninos.

Probable Assignee: CERVANTES MENDOZA CLEMENCIA

Earliest Publication Date: 20040616



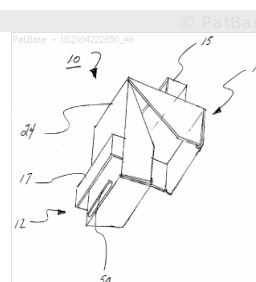
48) Family number: 31328360 (US2004222650A)

SANITARY COLLECTION DEVICE

Abstract: Source: US2004222650A The present invention is directed to a pet waste collection system for use with dogs, cats, and other pets to collect their solid waste. In one embodiment, the device includes a plurality of interconnected panels positioned to form a pair of hingedly connected claws, the claws together defining a contained space, and wherein each claw includes a main panel having three exterior side-edge panels extending outwardly therefrom, and an interior side-edge panel foldably connected to one of the exterior side-edge panels. The interior side-edge panel is provided with a locking tab which operatively engages a complementary locking slot provided along the fold line between the exterior side-edge panel and the main panel.

Probable Assignee: COLESANTI ANTHONY

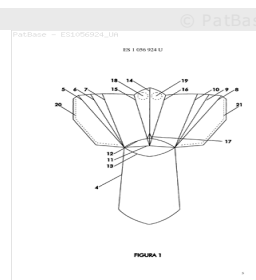
Earliest Publication Date: 20041111



49) Family number: 34674188 (ES1056924Y)

DISPOSITIVO DESECHABLE RECOLECTOR DE EXCREMENTOS DE ANIMALES DOMESTICOS EN LA VIA PUBLICA.

Abstract: Source: ES1056924U 1. Dispositivo desechable recolector de excrementos de animales domesticos en la via publica, caracterizado por ser de una pieza laminar, preferentemente de carton, que mediante su configuracion se transforma en contenedor, pala y asa de sujecion en la misma pieza; de esta manera el cuerpo principal se conforma como el contenedor, de forma prismatica hueca, que presenta abierto uno de sus extremos en donde la cara inferior del mismo, se prolonga frontalmente modo tal de ser utilizada como la pala del recogedor, mientras que en la cara superior aparece una aleta para ser usada como asidero del modelo; el caracter del dispositivo es del tipo monouso, o sea que una vez realizada la recogida se procede a desechar el mismo. 1. Disposable device for collecting droppings of domestic animals on public roads, characterized by being of a laminar, preferably cardboard, which by its configuration is transformed into container, blade and gripping handle in the same piece; in this way the main body is formed as the container, hollow prismatic shape, which presents one of its open ends where the underside thereof, extends frontally so as to be used as the blade of the collector, while in the upper part of a fin appears to be used as a handle of the model; the character of the device is of the disposable type, that is, once the collection proceeds to discard it.



Probable Assignee: OYHENART EDUARDO RENE

Earliest Publication Date: 20040601

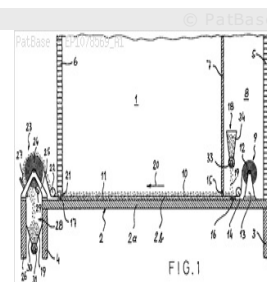
50) Family number: 17000585 (EP1078569A1)

DEVICE FOR COVERING THE FLOOR OF A STABLE

Abstract: A web of floor covering (10) is progressively moved over the floor from one side of the hen-house to the other, entering via slot under one wall and leaving via a slot under the opposite wall. Prior to its admission to the hen-house from a roll (9), the floor covering is sprinkled with an approx. uniform covering of sawdust or wood shavings. The wood particles (11) absorb animal excrement which is released to a trap (19) at the other end of the hen house. During waking hours, the floor covering advances at a speed of about 5 cm per hour, and is stationary at other times. For chicks, the covering is progressively renewed over a period of 3-4 days. The wood particles and excrement may be used as fertilizer.

Probable Assignee: GUSTAV WILMS FA

Earliest Publication Date: 19991111



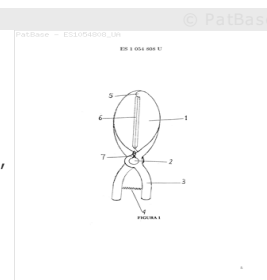
51) Family number: 34672082 (ES1054808Y)

RECOGEDOR DE EXCREMENTOS ANIMALES HIGIENICO Y ARTICULADO CON BOLSAS REVERSIBLES Y DESECHABLES.

Abstract: Source: ES1054808U 1. Recogedor de excrementos animales higienico y articulado con bolsas reversibles y desechables, caracterizado por tres areas (1), (2) y (3), la primera de las cuales tiene forma concava y se encuentra dividida en dos palas cuyo borde interior se caracteriza por estar cubierto por un plastico blando (6), y que cuentan con un dispositivo o enganche (7) y de una resistencia (5) que consta de un saliente y un entrante que encajan el uno con el otro. Una articulacion que constituye la segunda area (2) o eje, y la tercera area (3), mango o asa, esencialmente caracterizada por contar con un resorte (4). 1. Animal excrement collector hygienic and articulated with disposable and reversible bags, characterized by three areas (1), (2) and (3), the first of which is concave and is divided into two blades whose inner edge is characterized by being covered by a soft plastic (6), and which have a device or hook (7) and a resistor (5) consisting of a projection and a recess which fit with each other. A hinge which constitutes the second area (2) or shaft, and the third area (3), grip or handle, essentially characterized by having a spring (4).

Probable Assignee: SANTA CRUZ ALONSO ALVARO

Earliest Publication Date: 20030901



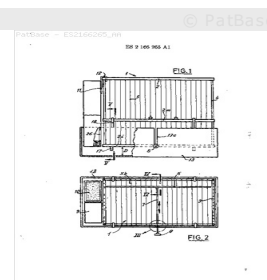
52) Family number: 23271649 (ES2166265A)

BIRD CAGE

Abstract: Bird cage. Consists of a box with bars (1) arranged with an lower area on and within a lower tray (13), fitted with brims so that the bottom of the box with bars (1) is distanced from the bottom of the tray (13), being alambic bars (5b) of the bottom of this tray (1) arranged so as to cross at least one sweeping, moving plate (6) transversal to them, through suitable holes, being provided this plate (6) with means of producing a sliding movement, forwards and backwards along the bars (5b), and a feeder (10) and drink trough (9) fitted in the outer part said box (1) but with its lower parts within this tray (13), not at all protruding from the areas of the feeder (10) and the drink trough (9), to which the animal has access towards the interior of the box with bars (1).

Probable Assignee: TOR DEL SPAR RIUS RAMON

Earliest Publication Date: 20020401



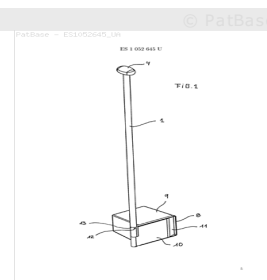
53) Family number: 34669918 (ES1052645Y)

DISPOSITIVO PARA LA RECOGIDA DE DEPOSICIONES ANIMALES

Abstract: Source: ES1052645U 1. Dispositivo para la recogida de deposiciones animales del tipo empleado para retirar de la via publica las deposiciones de perros y otros animales de compania caracterizado esencialmente por estar constituido por un cuerpo tubular exterior (1), en cuyo interior se aloja una barra interna (2) la cual presenta en su extremo inferior un tope (3), y en su extremo superior un pomo (4) que queda asentado en la misma tras atravesar un saliente cilindrico (5) previsto en su parte inferior, la parte alta del cuerpo tubular exterior (1). 1. Device for the collection of depositions animals of the type used to remove public via the droppings of dogs and other pets, essentially characterized by being formed by an outer tubular body (1), inside which is housed an inner rod (2) which has at its lower end a stop (3), and at its upper end a knob (4) that is seated in the same after passing through a cylindrical projection (5) provided in its lower part, the upper part of the outer tubular body (1).

Probable Assignee: GARCIA MATO JAIME

Earliest Publication Date: 20030116



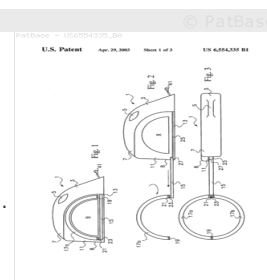
54) Family number: 28514427 (US6554335B)

PET WASTE COLLECTION SYSTEM

Abstract: Source: US6554335B The present invention is directed to a pet waste collection system for use with dogs, cats, and other pets to collect their solid waste. The present invention system includes a main housing having a hollow inside and having a top, a bottom, a front, and a back and at least one sidewall, and having an opening accessible to the hollow inside area. There is also a telescopically extendable and contractible pole attached at a first end to the hollow inside area of the main housing and attached to a collapsible frame at its second end. The collapsible frame unfolds for a waste receptacle, i.e. a "pooper" bag, and is spaced behind the pet during defecation. In some embodiments, an attachment hook is located on said main housing for attachment thereof to a leash, a belt, or other attachable area or item.

Probable Assignee: KELLY ELISABETH A

Earliest Publication Date: 20030429



COMPOSTING ACCELERATOR

Abstract: Source: US6447568B Provided are a composting accelerator which comprises a mixture obtained by mixing (A) an organic matter having an arabinoxylan content of 10 weight percent or greater and (B) heat-resistant bacteria for assimilating an organic material, and optionally a humic acid and has a pH adjusted within a range of from 6.0 to 8.5; a composting accelerator comprising a mixture obtained by mixing the above-described organic matter (A) and calcium silicate (C) at a weight ratio ranging from 50:50 to 95:5; and a process for producing an organic fertilizer by using each of the above-described composting accelerators.

Probable Assignee: NISSHIN FLOUR MILLING INC

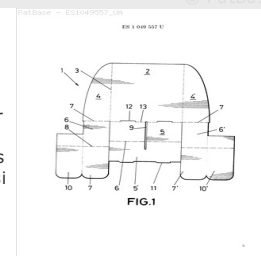
Earliest Publication Date: 20011222

RECOGEDOR DE EXCREMENTOS PARA ANIMALES

Abstract: Source: ES1049557U 1. Recogedor para excrementos de animales, que siendo del tipo de los que se materializan en un cuerpo laminar, preferentemente de carton, debidamente troquelado, inicialmente plano y transformable en una especie de pala, se caracteriza porque en dicho cuerpo laminar se establece un amplio sector rectangular destinado a constituir el fondo de la citada pala, que a traves de sus bordes laterales y mediante lineas de plegado se relaciona con sendos sectores asimismo laterales, triangulares, constitutivos de los tabiques laterales de dicha pala, mientras que a traves de su borde posterior se prolonga en otro sector rectangular, plegable sobre si mismo a traves de una linea de plegado intermedia y destinado a constituir el tabique posterior de la pala, con interposicion de prolongaciones posteriores de los sectores laterales y triangulares, las cuales estan sobredimensionadas en longitud para definir un primer tramo que queda incluido en el doble tabique posterior de la pala y un tramo terminal que atraviesa una ranura longitudinal y media de dicho tabique posterior, para proyectarse al exterior de la pala propiamente dicha y, adaptandose al del lado opuesto, configurar el asidero de dicha pala. 1. Dustpan for animal droppings, which being of the type which are embodied in a laminar body, preferably cardboard, duly stamped, initially plane and transformable in a kind of shovel, characterized in that said laminar body is established a broad rectangular intended to constitute the bottom of said blade, which through its side edges and by fold lines relates to two separate sectors side also, triangular, constituting the side walls of said blade, while through its rear edge extends in another sector rectangular, folded on itself through an intermediate fold line and intended to form the rear wall of the blade, with the interposition Subsequent extensions of lateral sectors and triangular, which are oversized in length to define a first section that is included in the double rear wall of the blade and a terminal section passing through a slot longitudinal half of said rear wall, so as to project to the outside of the blade itself and, adapting to the opposite side, configure the handle of said blade.

Probable Assignee: ALVI IND GRAFICAS S A

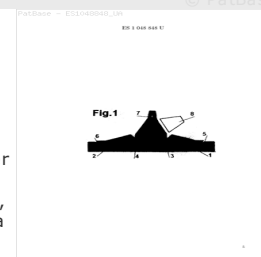
Earliest Publication Date: 20011216

**RECOGEDOR DE EXCREMENTOS DESECHABLE PARA PERROS.**

Abstract: Source: ES1048848U 1. Recogedor de excrementos desechable para perros, que siendo de los que esta formado por presentar una estructura troquelada en carton, plastico rigido o cartulina, de modo que pueda ser doblada y encajada para darle forma se caracteriza, por presentar un cuerpo central rectangular que se prolonga hasta terminar en una pieza trapezoidal que en su extremo presenta un agujero u ojal, y a ambos lados del cuerpo rectangular se extienden dos piezas alargadas que presentan en su zona distal una ranura de forma que puedan ser introducidas en el ojal, mas otra pieza independiente con forma de trapecio que puede ser utilizada como pala o espátula. De tal forma que al doblar las piezas laterales del cuerpo rectangular haciendo coincidir una sobre la otra, se delimita un espacio de seccion triangular, formado por estas dos piezas a los lados y la rectangular al fondo, y la parte inferior quede cubierta por la pieza trapezoidal doblada y ajustada al introducir las ranuras en el ojal formando todo ello una figura de seccion triangular concava y con asa. 1. Disposable excrement collector for dogs, that being of which is formed by a structure of cardboard, rigid plastic or cardboard blank, so that it can be folded and fitted to shape it is characterized by having a rectangular central body that extends to end up in a trapezoidal piece which at its end has a hole or eyelet, and on both sides of the rectangular body there extend two elongated pieces having at its distal region a groove so that they can be introduced in the grommet, more other separate piece that can be used as a trapezium-shaped blade or spatula. In such a way that folding the side parts of the rectangular body by matching one on the other, Delimit a space triangular section, formed by these two parts to the sides and rectangular at the bottom, and the bottom is covered by the trapezoidal part folded and fitted to enter the slots in the buttonhole forming all a figure of concave and triangular section with a handle.

Probable Assignee: ALEDO FLUXA GARCIA DIEZ RAFAEL

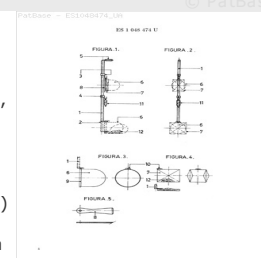
Earliest Publication Date: 20011001

**RECOGEDOR PERFECCIONADO DE EXCREMENTOS DE PERROS**

Abstract: Source: ES1048474U 1. Recogedor perfeccionado de excrementos de perros, caracterizado porque comprende una varilla o baston (1) con un asidero (5) en su parte superior y una pletina (2) en su extremo inferior, siendo dicha pletina (2) apta para el acoplamiento de una bolsa (6) (7) desechable de un solo uso para la recogida de los excrementos (12); y porque la bolsa (6) (7) presenta en el contorno de su embocadura una varilla (9) metalica o similar de forzado de la citada bolsa en posicion abierta, existiendo en la periferia de dicha bolsa (6) (7) una presilla u ojal (10) de acoplamiento con la pletina (2), operativamente apta para su cerrado por presion del baston (1) contra el suelo. 1. Dog excrement collector perfected, characterized in that it comprises a rod or stick (1) with a handle (5) in its upper part and a plate (2) at its lower end, said plate (2) suitable for coupling a bag (6) (7) disposable single-use for the collection of excrement (12); and in that the bag (6) (7) has the contour of its mouth a rod (9) Metal or the like of said bag in the open position, forced to exist on the periphery of said bag (6) (7) a clip or eyelet (10) for coupling with the plate (2), operatively suitable for closed by pressure of the rod (1) against the floor.

Probable Assignee: LOPEZ PASCUAL ALFREDO

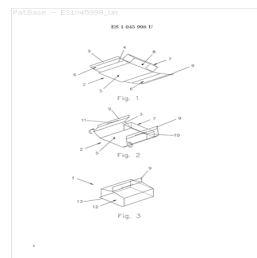
Earliest Publication Date: 20010816

**RECOGEDOR DE EXCREMENTOS DE ANIMALES DOMESTICOS.**

Abstract: Source: ES1045998U 1. Recogedor de excrementos de animales domesticos, preferentemente perros; caracterizado porque esta constituido por una plantilla troquelada de un material flexible, tal como, carton, cartulina o similar; dotada de lineas de corte y de doblez que cooperan en el armado del recogedor que es de forma general prismatica abierto por un lateral, cerrado por sus otras tres caras, siendo las laterales y enfrentadas de igual y de mayor longitud de manera que se extienden hacia la parte superior de cierre, y cada una en su oposicion definen solapas enfrentadas relacionadas por una pestana que se introduce en un corte enfrentado delimitando estas solapas un asidero mientras que la boca del recogedor presenta una zona saliente que coopera en la recogida de los excrementos. 1. Excrement collector pet, preferably dogs; characterized in that it is constituted by a blank template of a flexible material, such as cardboard, paperboard or the like, provided with lines cut and fold cooperating in the assembly of the Collector that is generally prismatic open at one side, closed at its other three sides, being the side and facing the same and of greater length so as to extend toward the top of the closure, and each in its opposition define opposing flaps related by a flange which is inserted into a faced delimiting these flaps a handle while the mouth of the collector has a projection which cooperates in the collection of The droppings.

Probable Assignee: VIVES CORONA DAVID

Earliest Publication Date: 20001101



60) Family number: 50754397 (AR013496A)

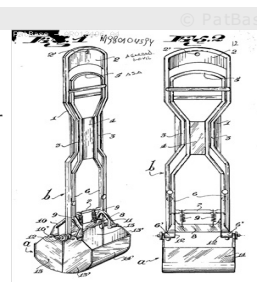
PALA RECOLECTORA DE EXCREMENTOS ANIMALES LIVESTOCK MANURE SHOVEL (MACHINE TRANSLATION)

Abstract: Source: AR013496A Pala recolectora de excrementos animales que comprende un receptaculo recolector formado por dos mitades las que, a modo de mandibulas, searticulan en un eje comun y terminan en bordes de acceso a la cavidad, los que normalmente estanco ntactados en la posicion de cierre por la accionde resortes; y este receptaculo, esta articulado con un soporte de comando, compuesto de un miembro fijo terminado en un asa fija, y un miembro movilencarrilado en el primero y provisto de unasa mo vil complementaria de la fija; siendo el miembro movil desplazable en el sentido opuesto a la tension de loscitados resortes.

Machine translation: Pala animal excrement collector comprising a collector receptacle formed by two mitades which, by way of jaws, searticulan on a common axis and end at edges of access to the cavity, which normally ntactados watertight closure in the position accionde by springs, and this receptacle, is articulated with a bracket command, comprising a fixed member fixed over in a loop, and a movilencarrilado member in the first and seventh mo provided unasa fixed Further, being the mobile member moved in the opposite direction of the tension springs loscitados.

Probable Assignee: KRUSZEWSKI ADALBERTO MIECZYSLAW

Earliest Publication Date: 20001227



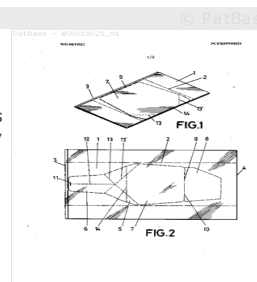
61) Family number: 34657623 (WO0019021A1)

COLLECTOR FOR ANIMAL EXCREMENTS

Abstract: A collector for animal excrements is comprised of a plastic bag (1) wherein is housed a laminar cardboard body (5) which configures a sort of shovel (7) provided with a handle (6). An extreme portion (8) used as a pusher can be broken off from the shovel. The laminar cardboard body (5) is fixed to the bottom of the bag (1) by means of a staple (11) or the like so that, when grabbing the bag from the zone which is superposed to the handle, the position of the bag (1) is reversed thereby freeing the shovel (7) while covering the user's hand. The assembly is then in proper condition to collect the excrements with the aid of the pusher (8). Thereafter, the assembly comprised of the shovel (7), the pusher (8) and the excrements is housed inside the bag by reversing the latter, said bag being tied up and discarded.

Probable Assignee: GARCIA DE LA INFANTA ENRIQUE

Earliest Publication Date: 19990701



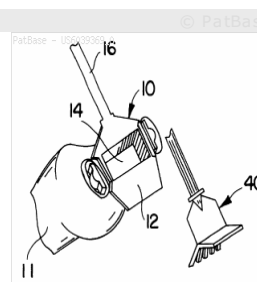
62) Family number: 12137426 (US6039369A)

ANIMAL EXCREMENT COLLECTING DEVICE AND COLLECTING TOOL

Abstract: Source: US6039369A A collecting device and a collecting tool for gathering animal feces matter comprising a flat member having a chute therethrough, a bag positioning member is fixed to the bottom of the flat member and bag securing members fixed to each of the flat member. The collecting tool has a scraping blade to gather feces matter from clear surfaces and a rake to gather feces matter from grass and other growth covered surfaces. The handles each have a flat side to facilitate carrying the device and tool in one hand.

Probable Assignee: STAHOVIC ROBERT

Earliest Publication Date: 20000321



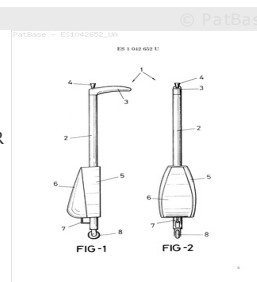
63) Family number: 34659555 (ES1042652Y)

RECOGEDOR DE EXCREMENTOS PERFECCIONADO.

Abstract: Source: ES1042652U 1. RECOGEDOR DE EXCREMENTOS PERFECCIONADO, CARACTERIZADO POR ESTAR CONSTITUIDO A PARTIR DE UN CUERPO SENSIBLEMENTE ALARGADO (2), FABRICADO EN UN MATERIAL RIGIDO, TAL Y COMO PUEDE SER MADERA, PLASTICO, ALUMINIO, ETC., PRESENTANDO EN EL EXTREMO SUPERIOR DEL CUERPO (2) UN MANGO O ASIDERO (3) PROVISTO DE UN PULSADOR (4), MIENTRAS QUE EN LA ZONA MEDIA INFERIOR PRESENTA UN MECANISMO (7), INCORPORADO EN EL EXTREMO OPUUESTO DEL CUERPO (2) AL DOTADO DEL MANGO (3) UNA RUEDA DESLIZANTE (8), OPCIONALMENTE SUSTITUIBLE POR UNA CONTERA O SIMILAR. 1. Excrement collector perfected, characterized by being formed from a substantially elongated body (2), MADE OF A RIGID material, such as wood, plastic, aluminum, etc., presenting AT THE UPPER END OF THE BODY (2) a handle or grip (3) PROVIDED WITH A BUTTON (4), WHILE IN THE LOWER HALF AREA HAS A MECHANISM (7), INCORPORATED IN THE OPPOSITE end of the body (2) PROVIDED WITH THE handle (3) A SLIDING WHEEL (8), optionally replaceable by a tip or the like.

Probable Assignee: MUNOZ PIQUERAS FRANCISCO

Earliest Publication Date: 19990916



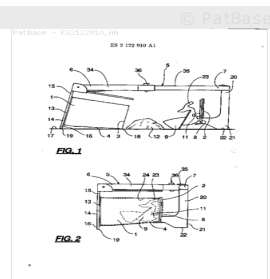
64) Family number: 11815241 (ES2122910A)

DEVICE FOR COLLECTING DOMESTIC-ANIMAL (PET) EXCREMENT

Abstract: It comprises a reservoir 1 provided with an aperture 3, which can be closed by a cover 2, and with at least one planar face 4, the reservoir being connected to a first end 6 of an extendible arm 5, the second end 7 of which is connected to the cover which carries a collector scoop 9 articulated in a rocking manner. The excrement 12 is collected by being placed between the scoop 9 and the aperture 3 of the reservoir, in the extended position of the arm 5, with the planar face 4 of the reservoir resting on the ground 17, and by bringing the reservoir 1 and the scoop 9 together until the scoop is housed, together with the excrement, inside the reservoir, with the aperture 3 of the latter closed by means of the cover and with the extendible arm 5 in its retracted position.

Probable Assignee: POCH SOLE JOSE

Earliest Publication Date: 19981216



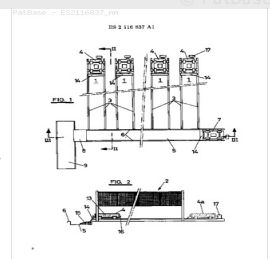
65) Family number: 11775985 (ES2116837A)

CLEANING PLANT FOR ANIMAL FARMS

Abstract: Plant intended for farms on which the animals are housed in cages arranged in parallel lines. The plant comprises an autonomous cleaning trolley (pulley) 4, which can be moved along the surfaces 1 which run under the lines of cages, and a picker (collector) trolley 7 which can move along a collection band 5 which runs perpendicularly as an extension of the zones 1. The cleaning trolleys 4 move the excrement which falls from the cages towards the zone 5, where the trolley 7 moves it to a pick-up zone 9. The trolleys move on rails or runners 3-6 controlled by timers and/or sequencing devices and are powered by means of electric batteries.

Probable Assignee: FOGLIETTI MARTINEZ MANUEL

Earliest Publication Date: 19980716



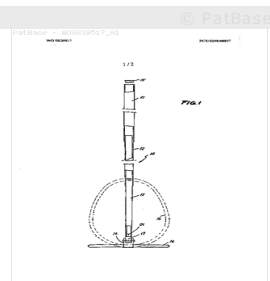
66) Family number: 34648500 (WO9839517A1)

COLLECTOR OF EXCREMENTS OF DOGS AND THE LIKE

Abstract: Collector of excrements of dogs and the like, comprised of a tubular element or handle having at its lower portion the excrement collection means. The handle of the collector (10) is comprised of telescopic elements formed of concentric tubes (11, 12 and 13) which extend vertically. At the lower portion of the tube (13) there is provided a union element (17) and another element (14) which supports a ring (16); the union element (17) can rotate the support (14) and the ring (16). To this ring (16) is fixed a bag with a closing string wherein are collected the excrements of the animal. Additionally, the inside of the tube (11) can act as a housing for the bags, said housing having a removable cap (15).

Probable Assignee: ARBELOA IRIGARAY MARTA

Earliest Publication Date: 19971016



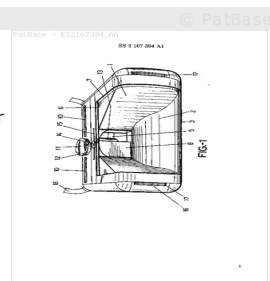
67) Family number: 19115833 (ES2107394A)

APPARATUS FOR PICKING UP ANIMAL EXCREMENT IN THE STREET

Abstract: The apparatus consists of a body 1 in the form of a picking-up device (collector) with a front ramp 2 which opens out into a rear reservoir 5 for receiving the excrement picked up, with a sliding door 8 for this reservoir 5 and a shutter-type door 6 for closing the front of the body 1, its side having housings 16 containing a disinfecting liquid and solidifying powders, whilst, under the reservoir 5, there are two housings 9 for the handle and the corresponding brush, these elements being telescopic, the handle being provided for fitting, in a removable manner, to a neck 12 on the top which is extended coaxially in a cylindrical extension 13 located in the centre and at the rear. The body 1 is supplemented with a shoulder strap 18 which enables the user to carry the assembly, hanging, with the handle and the brush folded in their housing, being able to make use of the apparatus at any time.

Probable Assignee: BANOS LOPEZ JUAN

Earliest Publication Date: 19971116



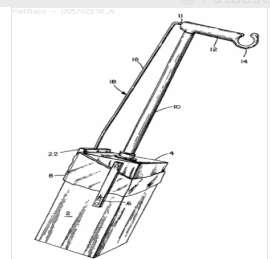
68) Family number: 14997378 (US5702138A)

COLLECTOR/CARRIER FOR ANIMAL EXCREMENT

Abstract: Source: US5702138A An animal refuse collector/carrier device consisting of a long rectangular plastic container having a hinged cover at its top with a long rigid carrying handle attached to the cover. Included is a shovel with a collection scoop that is stored inside the container and secured to the handle. A disposable plastic bag is placed inside the container to hold animal feces retrieved using the shovel. The carrying handle includes a hook for fastening a leash while walking a pet. All the materials used, except for the shovel handle, are made of hard plastic and molded to obtain smooth surfaces for easy cleaning. The device is light in weight and inexpensive.

Probable Assignee: ELKIND JULES

Earliest Publication Date: 19971230



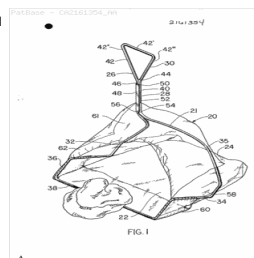
69) Family number: 9530111 (CA2161354A)

COLLECTING APPARATUS FOR ANIMAL FECES

Abstract: Source: CA2161354A Dans tout appareillage de ramassage de matieres fecales animales, a la surface du sol ou d'une piece, on sait que le caractere miniaturisation, de meme que les qualites de protection sanitaire de l'utilisateur sont des facteurs importants a considerer. Dans la presente invention, l'appareillage de ramassage, comprenant un appareil collecteur, une raclette de manipulation et un etui, est peu dispendieux, leger, resistant et miniature et est concu de maniere a permettre l'utilisation de petits sacs de polyethylene disponibles sur le marche a un cout tres modique. Any equipment pickup animal fecal materials, the surface of the floor or room, we know that the character miniaturization, even the qualities of health protection of the user are important factors to consider. In the present invention, the apparatus for collecting, collecting apparatus comprising a handle and a squeegee Case is inexpensive, lightweight, strong and miniature and is designed so as to permit the use of small polythene bags available the market at a very low cost.

Probable Assignee: DESLAURIERS MICHEL

Earliest Publication Date: 19970425



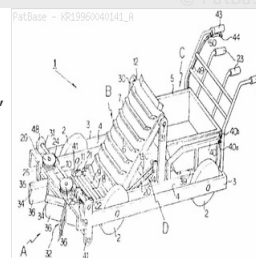
70) Family number: 48647171 (KR19960040141A)

ANIMAL WASTE COLLECTOR (MACHINE TRANSLATION)

Abstract: Source: KR19960040141A The present invention relates to a livestock manure animal waste collector (1), the upper surface of the collector (1), having a frame (3) for the rotary blade (32) is installed on the collected excrement of the impeller 38, the excrement a can reject (A) and 38 (9), which was transferred to the horizontal and the horizontal transfer in the manure 38 with vertical conveyor (7) traverse to the conveying part (B) (A), (B) and the transfer part, refuse, drive through a connection to the power transmission part (D), the said conveyor (7) and (38) to the feces insult being transported via storage is provided with a storage unit (C) on the right and animal waste, etc. by mechanical working animal waste that can easily be collected in the collector (1).

Probable Assignee: MOON SUNG TAE

Earliest Publication Date: 19961217



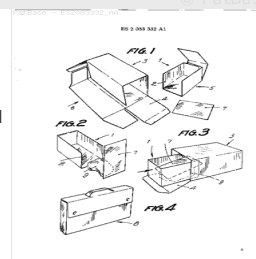
71) Family number: 18808784 (ES2083332A)

EQUIPMENT FOR COLLECTING AND REMOVING ANIMAL EXCREMENT

Abstract: The equipment consists of a small drawer 1 with an open face 2, which forms a collection device whose dimensions and shape allow it to be placed inside the box 3 when it has collected the excrement 9 with the aid of a scraper 7, the dimensions of which allow it to be placed in the drawer 1. The drawer 1 and the box 3 may be formed from sheets of cardboard or a similar recyclable material. The equipment is supplemented by a carrying case (briefcase) 8 which contains spare drawers and boxes.

Probable Assignee: ORTIZ DE LAZCANO SAEZ DE GRACI

Earliest Publication Date: 19960401



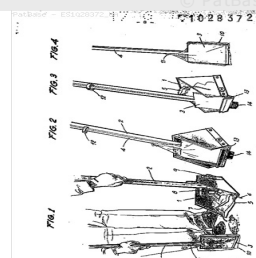
72) Family number: 34632188 (ES1028372Y)

DISPOSITIVO COLECTOR DE EXCREMENTOS DE ANIMALES.

Abstract: Source: ES1028372U DISPOSITIVO COLECTOR DE EXCREMENTOS DE ANIMALES, CARACTERIZADO ESENCIALMENTE POR COMPRENDER UNA CAJA COLECTORA PROPIAMENTE DICHA PROVISTA DE UN MANGO ARTICULADO DE SUJECION, Y UNA PALA AUXILIAR ASIMISMO PROVISTA DE UN MANGO DE SUJECION. Animal excrement collecting device, essentially characterized by comprising a collecting box ITSELF ARTICULATED CLAMPING PROVIDED WITH A HANDLE, and a auxiliary blade also provided with a gripping handle.

Probable Assignee: GUTIERREZ MARTOS MIGUEL

Earliest Publication Date: 19950116



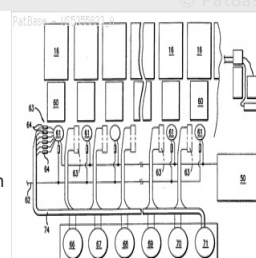
73) Family number: 11698182 (US5355833A)

COMPUTER AIDED FEED DISTRIBUTION EQUIPMENT FOR YOUNG ANIMALS

Abstract: Source: US5355833A The equipment includes a set of feed distribution stations each furnished with a mixer supplied with milk powder, water, milk from a tank and various additives from a set of measuring pumps whose number of rotations is controlled by computer system depending on the feed mix to be composed. The measuring pumps are primed by the additive supply tanks. There are as many tanks as additives to dispense. The set of measuring pumps at each feeding station withdraws the selectively programmed quantity from each tank depending on the mix to be constituted. Each animal that is present at a station and that is identified, is credited with a volume of feed that is around 500 grams, whose composition depends on the animal's previous intake, on the weight newly recorded, and on other criteria. The station mixes the feed on demand while the animal is ingesting it. There always remains a certain volume of feed in the mixer after the departure of the animal. This volume is subtracted from the animal's credit so as to precisely calculate the animal's feed intake.

Probable Assignee: MICHEL LEGRAIN

Earliest Publication Date: 19931015



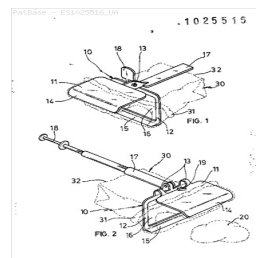
74) Family number: 16435759 (ES1025516Y)

DISPOSITIVO RECOGEDOR DE EXCREMENTOS DE ANIMALES

Abstract: Source: ES1025516U DISPOSITIVO RECOGEDOR DE EXCREMENTOS DE ANIMALES, DEL TIPO FORMADO POR UNA ESTRUCTURA RIGIDA Y UNA BOLSAS, CARACTERIZADO PORQUE LA ESTRUCTURA RIGIDA ESTA FORMADA ESENCIALMENTE POR DOS PLANOS ARTICULADOS ENTRE SI POR UNO DE SUS COSTADOS Y UNA PROLONGACION PARA LA SUJECCION DEL CONJUNTO, DE TAL FORMA QUE LOS DOS PLANOS SON COINCIDENTES PERIMETRALMENTE, PRESENTANDO CADA UNO DE ELLOS POR SU EXTREMO OPUESTO AL ARTICULADO UN BORDE ENTRANTE, HALLANDOSE PREVISTO EN AL MENOS UNO DE LOS DOS PLANOS UNA ABERTURA CENTRAL, A TRAVES DE LA CUAL ES EMPLAZABLE UNA BOLSA ALARGADA LAMINAR FLEXIBLE QUE CUBRE POR SU EXTREMO ABIERTO LOS BORDES ENTRANTES DE LOS DOS PLANOS Y LA CARA INTERNA DEL PLANO DESPROVISTO DE ABERTURA CENTRAL. Device picker animal excrements, OF THE TYPE FORMED BY A RIGID STRUCTURE AND A bags, characterized in that the rigid structure is formed essentially by two hinged TOGETHER BY ONE OF ITS SIDES AND AN EXTENSION FOR THE ATTACHMENT OF THE ASSEMBLY, IN SUCH A WAY THAT THE TWO PLANES are coincident perimeter, presenting each at its opposite end articulated to an EDGE recess, BEING PROVIDED IN AT LEAST ONE OF THE TWO PLANES A CENTRAL opening, THROUGH WHICH IT IS LOCATABLE A BAG FLEXIBLE ELONGATED LAMINAR COVERING AT ITS OPEN END THE EDGES RECESSES OF THE TWO PLANES AND THE INNER FACE OF THE PLANE DEVOID OF CENTRAL opening.

Probable Assignee: SAS DE VILALTA

Earliest Publication Date: 19940101



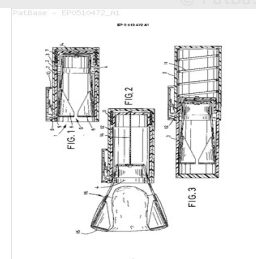
75) Family number: 4324663 (EP0510472A1)

COLLECTOR FOR ANIMAL EXCREMENT.

Abstract: A collector (1) for animal excrement is proposed, in which a gripper-shaped or shovel-shaped holding device (5) for a collecting bag (15) can be extended from an outer tube (2). By extending an intermediate pipe (3), the played elements (6) of the holding device (5) are brought together and the animal excrement is grasped. The tubes can in this connection have a round or angular cross-section. A catch device (8, 9, 10) can be provided, which can be actuated from outside and fixes the intermediate tube (3) in an intermediate position, in which the intermediate tube (3) projects partially from the outer pipe (2) and in which the holding device (5) is at least partially pushed together in relation to its splayed position by the intermediate tube (3). As a result, it is possible to move the device away from the ground before the intermediate tube (3) is finally pushed over the holding device, so that damage of the intermediate tube (3) on impact on the ground as well as a painful wrist for the operator are avoided.

Probable Assignee: KRAMPE KG

Earliest Publication Date: 19920903



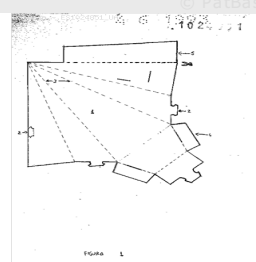
76) Family number: 16427847 (ES1024851Y)

UTENSILIO PARA LA RECOGIDA DE EXCREMENTOS DE ANIMALES.

Abstract: Source: ES1024851U UTENSILIO PARA LA RECOGIDA DE EXCREMENTOS DE ANIMALES, QUE CONSISTE EN UNA LAMINA DESPLEGABLE DE CARTON, QUE SE CONVIERTE EN UN RECIPIENTE CON FORMA DE CUCURUCHO, CON TAPA, POSTERIORMENTE DESECHABLE. Tool for collecting animal droppings, CONSISTING OF A sheet of cardboard, WHICH BECOMES A drop-down cone shaped, container with a lid, then disposable.

Probable Assignee: AGUADO LORA MIGUEL ANGEL

Earliest Publication Date: 19931016



77) Family number: 17179759 (ES1024269U)

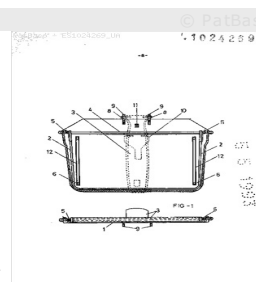
UTIL PARA RECOGIDA DE BASURAS. USEFUL FOR SWEEPINGS COLLECTION. (MACHINE TRANSLATION)

Abstract: Source: ES1024269U UTIL PARA RECOGIDA DE BASURAS, QUE ADOPTA UNA DISPOSICION DEL TIPO PALETA RECOGEDORA CON TAPA, CARACTERIZADO PORQUE UNA DE LAS PARTES ES UNA SUPERFICIE PLANA Y RIGIDA. MIENTRAS QUE LA OTRA LA CONSTITUYE UN FLEJE QUE SE ACOPLA A LA PRIMERA CONTORNEANDOLA, PRESENTANDO UNA DE ELLAS UNA BOLSA DE PLASTICO FLEXIBLE Y OPAO Y UN MEDIO DE APERTURA MANUAL CON RESORTES, DE FORMA QUE AL DEJAR DE ACCIONAR DICHO MEDIO EL FLEJE Y SU BOLSA SE CIERRAN HERMETICAMENTE.

Machine translation: USEFUL FOR SWEEPINGS COLLECTION, THAT A COMBAT FORMATION OF THE TYPE TROWEL RECOGEDORA WITH COVER, CHARACTERIZED BECAUSE ONE OF THE PARTS IS A FLAT AND RIGID SURFACE. WHEREAS THE OTHER CONSTITUTES AN IRON STRAP THAT IS RECONCILED TO FIRST SKIRTING IT, PRESENTING/DISPLAYING A ONE OF THEM FLEXIBLE AND OPAQUE PLASTIC STOCK MARKET AND MEANS OF MANUAL OPENING WITH MEANS, SO THAT WHEN LETTING DRIVE THIS MEANS THE IRON STRAP AND ITS STOCK MARKET ARE CLOSED HERMETICALLY.

Probable Assignee: MORAL LOPEZ GONZALO

Earliest Publication Date: 19930801



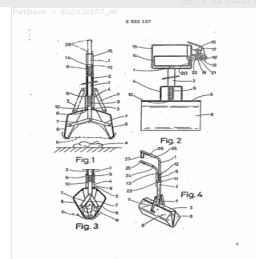
78) Family number: 11753202 (ES2032157A)

DEVICE FOR PICKING UP ANIMAL EXCREMENT

Abstract: Device for picking up animal excrement, particularly those expelled in the street by dogs and cats, characterized in that, unlike known devices which are inconvenient to use and do not eliminate the repugnance which the picking-up of such excrement produces in many people, this picking-up device eliminates these problems as it comprises a handle in the manner of a bar 1 sliding within a tubular sheath 2 and projecting via both ends thereof, both elements ending, at the top, in individual gripping devices 14, 15 and, at the bottom, in a plate 3 perpendicular thereto and secured via its central part by means of suitable devices to one of said elements, the two longitudinal sides of the plate 3 having articulated to them individual concave scoops 8 which are connected, by means of corresponding articulated rods 7, to the element not secured to the aforesaid plate 3 and which can pass via an orifice 6 therein, suitable elastic means 9 holding the scoops 8 in an open or closed position.

Probable Assignee: MOYA GARCIA JOSE

Earliest Publication Date: 19930101



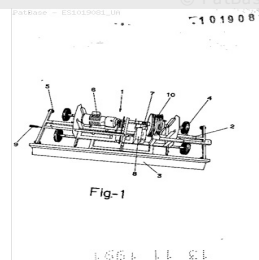
79) Family number: 17275481 (ES1019081Y)

APARATO PARA LIMPIEZA DE EXCREMENTOS.

Abstract: Source: ES1019081U APARATO PARA LIMPIEZA DE EXCREMENTOS, DESTINADO A ARRASTRAR LOS PRODUCTOS DESECHABLES EXISTENTES EN LAS FOSAS DE JAULAS DONDE SE INSTALAN ANIMALES DE GRANJA HASTA ABOCARLOS POR UN VERTEDERO O SIMILAR EXISTENTE AL FINAL DE LA FOSA, CARACTERIZADO ESENCIALMENTE PORQUE COMPRENDE UN DISPOSITIVO ELECTROMECHANICO INSTALADO EN UN ARMAZON SOPORTADO POR RUEDAS CON EJES BASCULANTES Y PROVISTO DE UNA PALA RECOGEDORA DE CARACTER TAMBIEN BASCULANTE QUE PREFERENTEMENTE CUBRE TODO SU ANCHO; ESTANDO CONSTITUIDO EL DISPOSITIVO ELECTROMECHANICO POR UN MOTOR ELECTRICO QUE PROMOVIERO UNA CADENA CINEMATICA EN ASOCIACION CON ELEMENTOS ELECTRICOS TALES COMO CONTACTORES ROTATIVOS Y UNA CAJA DE CONTACTORES DE MARCHA E INVERSION, SUMINISTRA UN MOVIMIENTO LINEAL AL APARATO MIENTRAS QUE CON LA PALA ARRASTRA LOS EXCREMENTOS DE LA FOSA HASTA EL VERTEDERO; PORQUE EL CABLE DE CONEXION DEL MOTOR ELECTRICO CONSTITUYE UNA BOBINA DE CABLECONDUCTOR Y RECOGEDOR QUE MEDIANTE UN SISTEMA DE EMBRAGUE FACILITA EL PASO DEL APARATO AL FINAL DE RECORRIDO CON POSTERIOR INVERSION DE SENTIDO HACIA EL LUGAR DE ORIGEN CON LA EXTENSION Y RECOGIDA DEL REFERIDO CABLE; REALIZANDOSE EL CONTROL DEL APARATO MEDIANTE UNA MANECILLA DE MANDO Y PUESTA EN MARCHA DE FACIL ACCESO. Apparatus for cleaning of droppings, intended to drag the disposable products existing in the pits to ABOCARLOS FARM ANIMAL CAGES WHERE THEY ARE INSTALLED BY A LANDFILL OR THE LIKE EXISTING AT THE END OF THE PIT, essentially characterized in that it comprises an electromechanical device installed in a FRAME SUPPORTED BY WHEELS WITH TILTING AXIS AND PROVIDED WITH A SCRAPER BLADE character also tilt that preferably covers its entire width; the electromechanical DEVICE BEING CONSTITUTED BY AN ELECTRIC MOTOR WHICH PROMOTE A kinematic chain IN ASSOCIATION WITH ELECTRICAL elements such as switches, rotary switches and a GEARBOX GEAR AND INVESTMENT, provides a linear motion TO THE APPARATUS WHILE THE BLADE DRAGS THE DROPPINGS OF THE PIT TO Landfill; BECAUSE THE CONNECTION CABLE OF THE ELECTRIC MOTOR IS A CABLECONDUCTOR AND PICKUP COIL THROUGH A CLUTCH SYSTEM FACILITATES THE PASSAGE OF THE APPARATUS AT THE END OF TRAVEL WITH subsequent reversal of direction toward the place of origin with the extension and retraction of said CABLE; performing CONTROL OF THE APPARATUS BY MEANS OF A CONTROL HANDLE AND COMMISSIONING OF EASY ACCESS.

Probable Assignee: CASTANE CASELLAS JUAN

Earliest Publication Date: 19920216



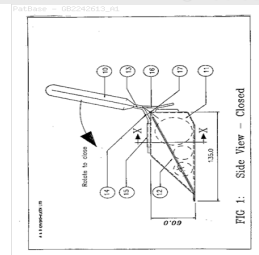
80) Family number: 6721471 (GB2242613A)

DISPOSABLE COLLECTOR FOR ANIMAL FAECES

Abstract: Source: GB2242613A The collector takes the form of a lidded shovel comprising a removeable handle (10), a shovel blade (11) and an integrating hinged cover (12). The handle has a fork (13) one limb (14) of which fits in a pocket (15) in the outside of the cover and the other limb (16) engages the back wall of the shovel blade to position the cover blade with the cover held open. By swinging the handle forward while resting the shovel blade on the ground, the collector is closed and may be removed from the handle for disposal.

Probable Assignee: TREGENNA BRIAN C

Earliest Publication Date: 19911009



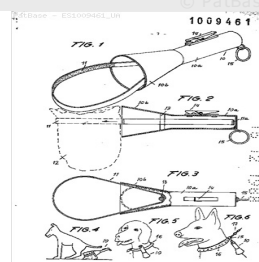
81) Family number: 17212729 (ES1009461Y)

RECOGEDOR HIGIENICO PERFECCIONADO PARA EXCREMENTOS.

Abstract: Source: ES1009461U RECOGEDOR HIGIENICO PERFECCIONADO PARA EXCREMENTOS, APLICABLE A ANIMALES DOMESTICOS CARACTERIZADO POR PRESENTAR UN CUERPO (10) FORMADO POR UNA ZONA CILINDRICA (10A) DESPROVISTA DE UNA DE SUS BASES DE LA QUE EMERGE OTRA ZONA TRONCOCONICA (10B) TAMBIEN CARENTE DE BASES Y DE CUYO INTERIOR EMERGE EL ARO SENSIBLEMENTE ELIPTICO (11). Hygienic excrement collector perfected, APPLICABLE TO DOMESTIC ANIMALS CHARACTERIZED BY HAVING A BODY (10) formed by a cylindrical portion (10A) DEVOID OF ONE OF ITS bases from which emerges another FRUSTOCONICAL ZONE (10B) also DEVOID OF BASES AND INSIDE which emerges substantially elliptical ring (11).

Probable Assignee: MARCH SANAHUJA ANTONIO

Earliest Publication Date: 19890901



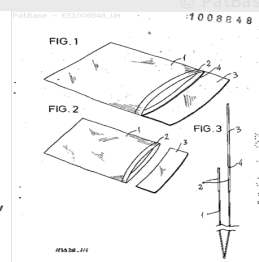
82) Family number: 17206242 (ES1008848Y)

BOLSA PARA LA RECOGIDA DE EXCREMENTOS DE ANIMALES Y TODA CLASE DE PRODUCTOS.

Abstract: Source: ES1008848U BOLSA PARA LA RECOGIDA DE EXCREMENTOS DE ANIMALES Y TODA CLASE DE PRODUCTOS, CARACTERIZADA ESENCIALMENTE POR EL HECHO DE QUE ESTA DOTADA DE UNA BOCA DE NATURALEZA SEMIRRIGIDA, A LA QUE ESTA VINCULADA UNA PIEZA APLANADA, ASIMISMO SEMIRRIGIDA, A TRAVES DE UNA ZONA DEBILITADA, QUE PUEDE FRACCIONARSE PARA SEPARAR LA PIEZA APLANADA, QUE SE UTILIZA COMO PALA. Bag for collecting animal droppings, AND ALL KINDS OF PRODUCTS, characterized ESSENTIALLY BY THE FACT THAT IT IS PROVIDED WITH A MOUTH OF RIGID NATURE, TO WHICH IS LINKED a flattened part, also semirigid, through a weakened area, which can be fractionated TO SEPARATE THE flattened part, which is used as a blade.

Probable Assignee: VILLAR BORRAS ANTONIO

Earliest Publication Date: 19890601



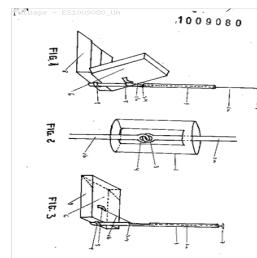
83) Family number: 17207944 (ES1009080Y)

PALA PARA RECOGER EXCREMENTOS DE ANIMALES, PERFECCIONADA.

Abstract: Source: ES1009080U PALA PARA EXCREMENTOS DE ANIMALES, PERFECCIONADA, DEL TIPO QUE COMPRENDE UN MANGO HUECO EN CUYO INTERIOR HAY UN ALAMBRE TERMINADO EN SU PARTE SUPERIOR EN UNA PALANCA EN FORMA DE ARANDELA, DICHO ALAMBRE, ASIMISMO, EN LA MITAD INFERIOR DEL MANGO HUECO, SE UNE MEDIANTE UNA ARGOLLA A OTRO ALAMBRE QUE TERMINA EN UNA PIEZA DE AJUSTE INSERTADA EN LA TAPA DE LA PALA, PERMITIENDO ASI, MEDIANTE UN SUAVE IMPULSO DEL USUARIO O USUARIA, ABRIR Y CERRAR DICHA TAPA EN EL MOMENTO DE SER UTILIZADA. Blade for animal droppings, perfected, OF THE TYPE COMPRISING A HOLLOW HANDLE INSIDE WHICH THERE IS A WIRE TERMINATED AT ITS TOP IN A WASHER-shaped lever, said wire, ALSO, IN THE LOWER HALF OF THE HOLLOW HANDLE, IS ATTACHED BY A RING TO ANOTHER wire terminating in a fitting PIECE INSERTED INTO THE TOP OF THE BLADE, THUS ALLOWING, BY A SOFT PULSE or user, OPEN AND CLOSE THE LID AT THE TIME OF USE.

Probable Assignee: CAMARA MURIAS M DOLORES

Earliest Publication Date: 19890701



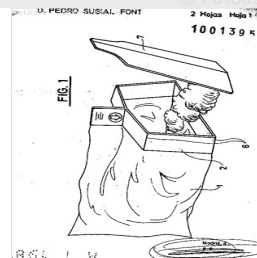
84) Family number: 17183726 (ES1001395Y)

NUEVA DISPOSICION COLECTORA DE EXCREMENTOS DE ANIMALES DOMESTICOS

Abstract: Source: ES1001395U NUEVA DISPOSICION COLECTORA DE EXCREMENTOS DE ANIMALES DOMESTICOS, CARACTERIZADA ESENCIALMENTE POR COMPRENDER UNA BOLSA DE MATERIAL IMPERMEABLE, PROVISTA EN SU EMBOCADURA DE UNAS TIRAS DE REFUERZO DE CARTON, DOTADAS DE LINEAS DE HENDIDO TRANSVERSALES QUE FACILITAN LA CONFORMACION ABIERTA DE LA BOCA DE LA BOLSA PARA PERMITIR LA ENTRADA DE LOS EXCREMENTOS CON AUXILIO DE UNA PALA, PREFERENTEMENTE DE CARTON, Y DESECHABLE DESPUES DEL USO; Y PORQUE LAS ALUDIDAS TIRAS DE REFUERZO PRESENTAN UNA PESTANA SIMPLE Y OTRA DOBLE, QUE INTEGRAN LOS MEDIOS DE APERTURA DE LA BOCA DE LA BOLSA AL APRETAR CONTRA EL SUELO, Y A SU VEZ LOS MEDIOS DE CIERRE DE DICHA BOLSA UNA VEZ LLENA. New provision collecting DROPPINGS OF DOMESTIC ANIMALS, characterized essentially by comprising a bag of impermeable material, PROVIDED AT ITS MOUTH OF REINFORCING strips of cardboard, PROVIDED WITH TRANSVERSE LINES OF CLEFT THAT FACILITATE THE OPEN CONFORMATION OF THE MOUTH OF THE BAG TO ALLOW ENTRY OF THE EXCREMENT COLLECTOR WITH THE AID OF A BLADE, preferably cardboard, and disposable after use; AND BECAUSE THE AFOREMENTIONED REINFORCEMENT STRIPS HAVE A TAB SIMPLE AND ANOTHER DOUBLE, THAT MAKE UP THE OPENING MEANS OF THE MOUTH OF THE BAG TO THE TIGHTENED AGAINST THE GROUND, AND IN TURN THE CLOSING MEANS OF THE BAG ONCE filled.

Probable Assignee: SUSIAL FONT PEDRO

Earliest Publication Date: 19880501



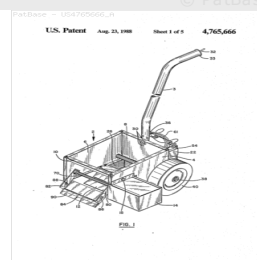
85) Family number: 10279640 (US4765666A)

ANIMAL WASTE COLLECTOR

Abstract: Source: US4765666A Apparatus for picking up animal waste includes a wheeled cart having a handle and a removable container mounted behind a ramp. A rotatable lever arm lifts articles positioned in front of the cart up the ramp and into the container. The lever arm rotates at a very slow speed (e.g., 10-15 rpm). and is reversible by means of a switch mounted on the handle.

Probable Assignee: PARKS JACK C

Earliest Publication Date: 19880823



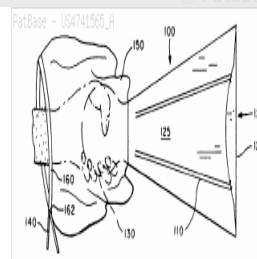
86) Family number: 10206137 (US4741565A)

DISPOSAL LITTER COLLECTOR

Abstract: Source: US4741565A A portable and disposal litter collector for scooping up pet feces or other similar litter. The collector includes a hooded shovel. The shovel blade may be constructed with holes in its bottom to allow particles equal to or smaller than the hole size to escape. Connected to the shovel handle is a moisture impregnable flexible cover. The cover is draped back over the handle and the user's hand to avoid user contamination. After the litter is scooped up, the sleeve is draped back over the hooded shovel and drawn close so that the litter cannot fall out as it is taken to the nearest receptacle for disposal.

Probable Assignee: BAGG RICHARD L

Earliest Publication Date: 19880503



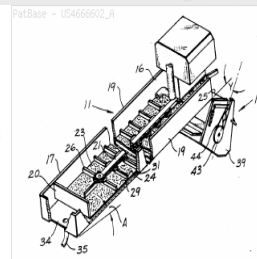
87) Family number: 5282745 (US4666602A)

MANURE SEPARATOR

Abstract: Source: US4666602A A manure separator arrangement is described including a flume and chain conveyor arrangement by which initially received slurry of liquids and solids is directed over a perforated flume floor. Liquid is allowed to drain through perforations in the floor as the slurry is moved along a pair of troughs formed along the flume. The entire flume is inclined so the liquids received from the perforated flume floor will drain downwardly away from the solids being carried along by the drag conveyor. Solids leaving a discharge end of the flume may lose approximately 80 percent of the liquid previously contained in the slurry or mixture. The manure discharged from the flume may be received by a separator press roll mechanism by which remaining moisture can be separated. The separator includes a rotated perforated drum and an oppositely rotated press roll. The press roll is yieldably urged against the rotating surface of the drum and is simultaneously rotated to press or squeeze liquid from the solids.

Probable Assignee: HARTZELL KIRK

Earliest Publication Date: 19870519



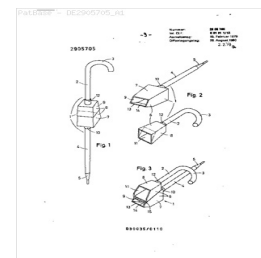
88) Family number: 1775124 (DE2905705A1)

TRAGBARE VORRICHTUNG ZUM AUFNEHMEN UND KURZZEITIGEN AUFBEWAHREN VON TIER-, INSBESONDERE HUNDEKOT PORTABLE DOG EXCREMENT COLLECTOR - IS DIVIDED WALKING STICK WITH SHOVEL PROTRUDING FROM CENTRE CASE, AND LID

Abstract: Source: DE2905705A1 Patentansprüche Tragbare Vorrichtung zum Aufnehmen und kurzzeitigen Aufbewahren von Tier-, insbesondere Hundekot, bestehend aus einer Schaufel zum Aufnehmen und einem Behältnis zum Aufbewahren des Kotes, gekennzeichnet durch einen zweiteiligen (2,4) Spazierstock (1) oder dergleichen, dessen eines Teilstueck (4) an der Trennstelle mit einem ein endig offenen (9) sowie eine vorspringende Schaufelkante (13) aufweisenden Gehäuses (7) versehen ist, während das andere Teilstueck (2) an der Trennstelle eine ebenfalls nur ein endig offene (11) Kappe (8) trägt, die als Verschlussdeckel passend über die Öffnungsseite (9) des Gehäuses (7) stülperbar ist. A pick-up shovel and a container are incorporated in the portable device for collecting and temporarily storing animal dropping esp. dog excrement. It is in the form of a two-piece walking-stick (1), or similar device. At the dividing point one piece (4) has an open-ended (9) housing unit (7) with a protruding shovel edge (13). At the same point the other piece (2) has an open-ended (11) cap (8) to be turned over onto the housing opening, as closing lid. This is easily carried and used when exercising dogs.

Probable Assignee: ROSENTHAL WILLY

Earliest Publication Date: 19800828



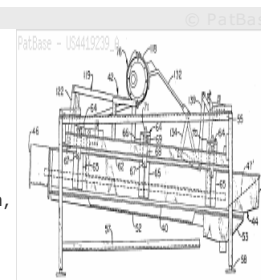
89) Family number: 3880187 (US4419239A)

APPARATUS FOR RECOVERING AND RECYCLING ANIMAL WASTE

Abstract: Source: US4419239A A method and apparatus for recovering and recycling animal waste materials permits the separation of the solids with a desired moisture content from the remaining liquids and finer solid particles and wherein the liquids and finer solid particles are converted into a high quality single cell protein by means of aerobic digestion so as to maximize the value and percentage of total solids reclaimed as well as to maintain excellent sanitation and minimize odors from anaerobic decomposition. The animal waste material is delivered from the barn or other suitable collection area by aerated aerobic water onto an inclined separator screen, at which point the waste material is incrementally advanced along the screen by a combination of shuttle-driven scraper blades and pressure pads so as to cause the excess moisture or liquid together with a minimal amount of the finer solids to pass through the separator screen while advancing the rest of the material off the end of the screen and from which it may be conveyed to a separate holding area. The separator mechanism of the present invention permits a larger percentage of the finer solid particles to attach to and remain with the larger solid particles which are recovered whereby to substantially increase the total digestible nutrient value of the solid waste material removed.

Probable Assignee: FRANKL GERALD P

Earliest Publication Date: 19831206



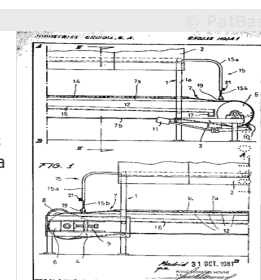
90) Family number: 29512013 (ES261168Y)

DISPOSITIVO AUTOMATICO RECOGEDOR DE EXCREMENTOS PARA INSTALACIONES DE CRIA DE ANIMALES

Abstract: Source: ES261168U 1. Dispositivo automatico recogedor de excrementos para instalaciones de cria de animales, que se caracteriza por el hecho de comprender un cinta recogedora continua extendida entre dos rodillos extremos, un rodillo de cabeza sobre el que actúan los elementos motor y tensor, y un rodillo de cola que comporta rasqueta limpiadora provista de contrapeso, concurren además la característica circunstancia de que la expresada cinta presenta en su zona central una alineación longitudinal de orificios pasantes. 2. Dispositivo automatico recogedor de excrementos para instalaciones de cria de animales, según la reivindicación 1, que se caracteriza por el hecho de comprender dos guías laterales longitudinales para ambos bordes de la cinta recogedora, determinativas de su correcto posicionamiento lateral y del nivel de los mismos, complementándose con un presor central, de posición graduable, que determina en dicha zona de empuje hacia abajo un nivel inferior al de los bordes laterales, configurándose en conjunto en la cinta recogedora una vaguada o cauce central que se extiende longitudinalmente en coincidencia posicional con los orificios pasantes antedichos. 3. Dispositivo automatico recogedor de excrementos para instalaciones de cria de animales, según las reivindicaciones 1 y 2, que se caracteriza por el hecho de comprender un canal de recogida de líquidos de desarrollo longitudinal y precisamente situado por debajo de los orificios pasantes de la cinta, que se extiende entre los dos tramos superior e inferior de la misma, estando provisto dicho canal de derivaciones para la evacuación. 4. Dispositivo automatico recogedor de excrementos para instalaciones de cria de animales, según las reivindicaciones 1 a 3, que se caracteriza por el hecho de que su presor central es graduable en altura, y esta provisto en su extremo operativo de una rulina que facilita el desplazamiento de la cinta recogedora al desplazarse. 5. Dispositivo automatico recogedor de excrementos para instalaciones de cria de animales, según las reivindicaciones 1 a 4, que se caracteriza por el hecho de comprender medios de sustentación y sujeción de sus elementos esencialmente descritos, unidos y/o vinculados a la estructura sustentadora de las jaulas de alojamiento de los animales que se extienden precisamente por encima de la referida cinta recogedora. 6. Dispositivo automatico recogedor de excrementos para instalaciones de cria de animales. 1. Automatic excrement collector device for animal breeding facilities, characterized by the fact of comprising a continuous primary conveyor extended between two end rollers, roller head acting on the engine and tensioning elements, and glue roller wiper blade provided behaves counterweight, also concurring the characteristic fact that the tape has expressed in its central zone a longitudinal alignment of through holes. 2. Automatic device excrement collector for animal breeding facilities, according to claim 1, characterized in that it comprises two longitudinal lateral guides for both edges of the primary conveyor, determinative of proper lateral positioning and the level of same, complemented by a central compressor, adjustable position, which determines in that area thrust down below the level of the lateral edges, configured together in the primary conveyor or a trough central channel extending longitudinally in positional coincidence with the through holes above. 3. Automatic excrement collector device for animal breeding facilities, according to claims 1 and 2, characterized by the fact of comprising a liquid collection channel longitudinal development and precisely located below the through holes of the tape, extending between the two upper and lower sections thereof, said channel being provided to lead the evacuation. 4. Automatic device excrement collector for animal breeding facilities, according to claims 1 to 3, characterized by the fact that its central compressor is adjustable in height, and is provided at its operative end a roller guide that facilitates displacement of the primary conveyor to move. 5. Automatic device excrement collector for animal breeding facilities, according to claims 1 to 4, characterized by the fact of comprising means of support and securing of the elements described essentially united and / or linked to the supporting structure cages housing animals precisely extending above said primary conveyor. 6. Automatic device excrement collector for animal breeding facilities.

Probable Assignee: INDUSTRIAS GRIFOLL SA

Earliest Publication Date: 19820501



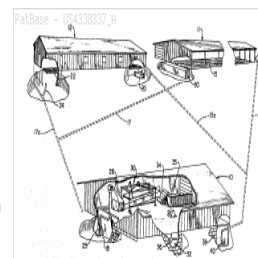
91) Family number: 8588384 (US433837A)

METHOD FOR RECOVERING AND RECYCLING ANIMAL WASTE MATERIALS

Abstract: Source: US4338337A A method for recovering and recycling animal waste materials permits the separation of the solids with a desired moisture content from the remaining liquids and finer solid particles and wherein the liquids and finer solid particles are converted into a high quality single cell protein by means of aerobic digestion so as to maximize the value and percentage of total solids reclaimed as well as to maintain excellent sanitation and minimize odors from anaerobic decomposition. The animal waste material is delivered from the barn or other suitable collection area by aerated aerobic water onto an inclined separator screen, at which point the waste material is incrementally advanced along the screen by a combination of shuttle-driven scraper blades and pressure pads so as to cause the excess moisture or liquid together with a minimal amount of the finer solids to pass through the separator screen while advancing the rest of the material off the end of the screen and from which it may be conveyed to a separate holding area. The separator mechanism of the present invention permits a larger percentage of the finer solid particles to attach to and remain with the larger solid particles which are recovered whereby to substantially increase the total digestible nutrient value of the solid waste material removed.

Probable Assignee: FRANKL GERALD P

Earliest Publication Date: 19820706



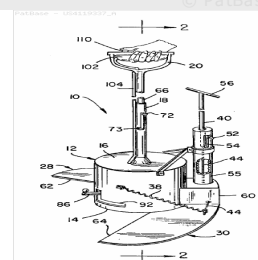
92) Family number: 7058606 (US4119337A)

SANITARY PICKUP AND DISPOSAL DEVICE

Abstract: Source: US4119337A A self-cleaning sanitary pickup and disposal device, including a receptacle for holding a waste collection bag. Selectively displaceable collector blades capture material deposits within the waste bag which is sealed prior to disposal. A manually operable scraper blade attachment housed within the receptacle is slidable, upon removal of the waste bag, into an operational mode for cleaning the collector blades. An accessory brush attachment can also be used in substitution for the scraper blade. A reservoir containing a disinfecting or like fluid can be flushed through the receptacle and over the collector blades after each use.

Probable Assignee: SHERHANDT JOHN

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93) Family number: 2460870 (DE2541804A1)

HUNDE-WC DOG EXCREMENT COLLECTING AND DISPOSAL APPLIANCE - COMPRISES SPRING OPERATED CLOSING SHOVELS AND POUCH RECEPTACLE

Abstract: Source: DE2541804A1 Patentansprueche Hunde- WC mit Schaufelfoermiger Kottaufnahme insbesondere fuer die Hundehaltung Dadurch gekennzeichnet dass in einem Gehaeuse die Schaufeln durch Federkraft bei senkrechter Veraenderung des Drenpunktes und Waagerechter Schaufelfuehrung schliessen und hier bei den Kot in den vorher ueber die geoeffneten Schaufeln, gestuelpten Beutel einschliessen Hunde-WC nach Anspruch 1 1 Dadurch gekennzeichnet das die Schaufeln durch die Kraft einer Feder die durch Oeffnen der Schaufeln gespannt, ausgeloesst durch verschieben der Sperre geschlossen wird. The dog excrement disposal unit comprises a shovel-shaped collector, esp. suitable for use by people who keep dogs. It serves for complete, rapid and easily accomplished removal of dog droppings in a hygienic manner, in the open air and on a flat surface, and the material collected is easily taken away. There is a casing, with shovel appliances which are closed by spring action, with vertical alteration of the point of rotation and horizontal shovel guidance. The excrement is then enclosed in a bag pouch which is prepared by the opening action of the shovels.

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